

OFFICIAL GENE SYMBOL	ENTREZ Gene ID	GENE NAME
ACTB	60	actin, beta
AHI1	54806	Abelson helper integration site 1
AK5	26289	adenylate kinase 5
AKT1	207	v-akt murine thymoma viral oncogene homolog 1
ARL13B	200894	ADP-ribosylation factor-like 13B
ARL3	403	ADP-ribosylation factor-like 3
ARL6	84100	ADP-ribosylation factor-like 6
AVPR2	554	arginine vasopressin receptor 2
AXIN2	8313	axin 2
B2M	567	beta-2-microglobulin
BBS1	582	Bardet-Biedl syndrome 1
BBS10	79738	Bardet-Biedl syndrome 10
BBS2	583	Bardet-Biedl syndrome 2
BBS4	585	Bardet-Biedl syndrome 4
BBS5	129880	Bardet-Biedl syndrome 5
BBS7	55212	Bardet-Biedl syndrome 7
BBS9	27241	Bardet-Biedl syndrome 9
BTRC	8945	beta-transducin repeat containing calmodulin 3 (phosphorylase kinase, delta); calmodulin 2 (phosphorylase kinase, delta); calmodulin 1 (phosphorylase kinase, delta)
CALM1	808	calmodulin 3 (phosphorylase kinase, delta); calmodulin 2 (phosphorylase kinase, delta); calmodulin 1 (phosphorylase kinase, delta)
CALM2	808	calmodulin 3 (phosphorylase kinase, delta); calmodulin 2 (phosphorylase kinase, delta); calmodulin 1 (phosphorylase kinase, delta)
CALM3	808	calmodulin 3 (phosphorylase kinase, delta); calmodulin 2 (phosphorylase kinase, delta); calmodulin 1 (phosphorylase kinase, delta)
CC2D2A	57545	coiled-coil and C2 domain containing 2A
CCDC63	160762	coiled-coil domain containing 63
CCND1	595	cyclin D1
CDC42	998	cell division cycle 42 (GTP binding protein, 25kDa); cell division cycle 42 pseudogene 2
CDK5RAP2	55755	CDK5 regulatory subunit associated protein 2
CDKN1A	1026	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
CEP290	80184	centrosomal protein 290kDa
CETN1	1068	centrin, EF-hand protein, 1
CILD2	56162	ciliary dyskinesia, primary 2
CLUAP1	23059	clusterin associated protein 1 zinc finger protein 91 homolog (mouse); ZFP91-CNTF readthrough transcript; ciliary neurotrophic factor
CNTF	80829	neurotrophic factor
CNTFR	1271	ciliary neurotrophic factor receptor
CROCC	9696	ciliary rootlet coiled-coil, rootletin
DACH1	1602	dachshund homolog 1 (Drosophila)
DNAH1	25981	dynein, axonemal, heavy chain 1
DNAH11	8701	dynein, axonemal, heavy chain 11
DNAH5	1767	dynein, axonemal, heavy chain 5
DNAH9	1770	dynein, axonemal, heavy chain 9
DNAI1	27019	dynein, axonemal, intermediate chain 1
DNAI2	64446	dynein, axonemal, intermediate chain 2
DNAL1	83544	dynein, axonemal, light chain 1
DNAL4	10126	dynein, axonemal, light chain 4
DNALI1	7802	dynein, axonemal, light intermediate chain 1

DNHD1	144132	dynein heavy chain domain 1
DPCD	25911	deleted in a mouse model of primary ciliary dyskinesia
DPY30	84661	dpy-30 homolog (<i>C. elegans</i>) dishevelled, dsh homolog 1 (<i>Drosophila</i>); dishevelled, dsh homolog 1 (<i>Drosophila</i>)-like
DVL1	1855	1
DYNC1H1	1778	dynein, cytoplasmic 1, heavy chain 1
DYNC1LI1	51143	dynein, cytoplasmic 1, light intermediate chain 1
DYNC2H1	79659	dynein, cytoplasmic 2, heavy chain 1
DYNC2LI1	51626	dynein, cytoplasmic 2, light intermediate chain 1
DYNLRB2	83657	dynein, light chain, roadblock-type 2
DYNLT1	6993	dynein, light chain, Tctex-type 1
DYNLT3	6990	dynein, light chain, Tctex-type 3
EFHC1	114327	EF-hand domain (C-terminal) containing 1
FAT4	79633	FAT tumor suppressor homolog 4 (<i>Drosophila</i>)
FBLN1	2192	fibulin 1
FJX1	24147	four jointed box 1 (<i>Drosophila</i>)
FOS	2353	v-fos FBJ murine osteosarcoma viral oncogene homolog
FUZ	80199	fuzzy homolog (<i>Drosophila</i>)
FZD1	8321	frizzled homolog 1 (<i>Drosophila</i>)
Gas8	2622	growth arrest-specific 8
GLG1	2734	golgi apparatus protein 1
GLI1	2735	GLI family zinc finger 1
GLI2	2736	GLI family zinc finger 2
GLI3	2737	GLI family zinc finger 3
GLIS2	84662	GLIS family zinc finger 2
GPAM	57678	glycerol-3-phosphate acyltransferase, mitochondrial
GSK3B	2932	glycogen synthase kinase 3 beta
HNF1B	6928	HNF1 homeobox B
HPRT1	3251	hypoxanthine phosphoribosyltransferase 1
HSPA8	3312	heat shock 70kDa protein 8
HTR6	3362	5-hydroxytryptamine (serotonin) receptor 6 hydrocephalus inducing homolog 2 (mouse); hydrocephalus inducing homolog (mouse)
HYDIN	54768	
IFT122	55764	intraflagellar transport 122 homolog (<i>Chlamydomonas</i>)
IFT140	9742	intraflagellar transport 140 homolog (<i>Chlamydomonas</i>)
IFT172	26160	intraflagellar transport 172 homolog (<i>Chlamydomonas</i>)
IFT20	90410	intraflagellar transport 20 homolog (<i>Chlamydomonas</i>)
IFT52	51098	intraflagellar transport 52 homolog (<i>Chlamydomonas</i>)
IFT57	55081	intraflagellar transport 57 homolog (<i>Chlamydomonas</i>)
IFT74	80173	intraflagellar transport 74 homolog (<i>Chlamydomonas</i>)
IFT80	57560	intraflagellar transport 80 homolog (<i>Chlamydomonas</i>)
IFT81	28981	intraflagellar transport 81 homolog (<i>Chlamydomonas</i>)
IFT88	8100	intraflagellar transport 88 homolog (<i>Chlamydomonas</i>)
IGF1	3479	insulin-like growth factor 1 (somatomedin C)
IHH	3549	Indian hedgehog homolog (<i>Drosophila</i>)
INS	3481	insulin-like growth factor 2 (somatomedin A); insulin; INS-IGF2 readthrough transcript
INS	723961	insulin-like growth factor 2 (somatomedin A); insulin; INS-IGF2 readthrough transcript
INS	3630	insulin-like growth factor 2 (somatomedin A); insulin; INS-IGF2 readthrough transcript
INTU	27152	inturned planar cell polarity effector homolog (<i>Drosophila</i>)

INVS	27130	inversin
IQCB1	9657	IQ motif containing B1 integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
ITGB1	3688	
KATNA1	11104	katanin p60 (ATPase-containing) subunit A 1
KIF3A	11127	kinesin family member 3A
KIF3B	9371	kinesin family member 3B
KIF9	64147	kinesin family member 9
KIFAP3	22920	kinesin-associated protein 3
KRAS	3845	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
LRP2	4036	low density lipoprotein-related protein 2
MAPRE2	10982	microtubule-associated protein, RP/EB family, member 2
MKKS	8195	McKusick-Kaufman syndrome
MKS1	54903	Meckel syndrome, type 1
MMAB	326625	methylmalonic aciduria (cobalamin deficiency) cblB type
MOS	4342	v-mos Moloney murine sarcoma viral oncogene homolog
MTOR	2475	mechanistic target of rapamycin (serine/threonine kinase)
MUC5B	727897	mucin 5B, oligomeric mucus/gel-forming
NEK8	284086	NIMA (never in mitosis gene a)- related kinase 8
nphp1	4867	nephronophthisis 1 (juvenile)
NPHP3	84129	nephronophthisis 3 (adolescent); acyl-Coenzyme A dehydrogenase family, member 11
Nphp4	261734	nephronophthisis 4
OFD1	8481	oral-facial-digital syndrome 1
PACRGL	133015	PARK2 co-regulated-like
PDGFRA	5156	platelet-derived growth factor receptor, alpha polypeptide
PFN1	5216	profilin 1
PFN2	5217	profilin 2
PFN3	345456	profilin 3
PIK3CA	5290	phosphoinositide-3-kinase, catalytic, alpha polypeptide
PKD1	5310	polycystic kidney disease 1 (autosomal dominant)
PKD1L1	168507	polycystic kidney disease 1 like 1
PKD1L2	114780	polycystic kidney disease 1-like 2
PKD1L3	342372	polycystic kidney disease 1-like 3
PKD2	5311	polycystic kidney disease 2 (autosomal dominant)
PKD2L1	9033	polycystic kidney disease 2-like 1
PKHD1	5314	polycystic kidney and hepatic disease 1 (autosomal recessive)
PPP1CA	5499	protein phosphatase 1, catalytic subunit, alpha isoform protein phosphatase 1, catalytic subunit, beta isoform; speedy homolog A (<i>Xenopus</i> <i>laevis</i>)
PPP1CB	5500	protein phosphatase 1, catalytic subunit, beta isoform; speedy homolog A (<i>Xenopus</i> <i>laevis</i>)
PPP1CB	245711	protein phosphatase 1, catalytic subunit, gamma isoform
PPP1CC	5501	protein phosphatase 1, catalytic subunit, gamma isoform
PPP2CA	5515	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform
PPP2CB	5516	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform
PPP2R1A	5518	protein phosphatase 2 (formerly 2A), regulatory subunit A, alpha isoform
PRPF39	55015	PRP39 pre-mRNA processing factor 39 homolog (<i>S. cerevisiae</i>)
PTCH1	5727	patched homolog 1 (<i>Drosophila</i>)
PTPN5	84867	protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched)
RAB23	51715	RAB23, member RAS oncogene family
RFX3	5991	regulatory factor X, 3 (influences HLA class II expression)

RHOA	387	ras homolog gene family, member A
RIBC2	26150	RIB43A domain with coiled-coils 2
ROCK2	9475	Rho-associated, coiled-coil containing protein kinase 2
RP2	6102	retinitis pigmentosa 2 (X-linked recessive)
RPGRIP1L	23322	RPGRIP1-like ribosomal protein L13a pseudogene 7; ribosomal protein L13a pseudogene 5; ribosomal protein L13a pseudogene 16; ribosomal protein L13a; ribosomal protein
RPL13A	100129553	L13a pseudogene 18
RSPH1	89765	radial spoke head 1 homolog (Chlamydomonas) radial spoke head 10 homolog B2 (Chlamydomonas); radial spoke head 10 homolog B
RSPH10B	222967	(Chlamydomonas) radial spoke head 10 homolog B2 (Chlamydomonas); radial spoke head 10 homolog B
RSPH10B2	728194	(Chlamydomonas)
RSPH3	83861	radial spoke 3 homolog (Chlamydomonas)
RSPH4A	345895	radial spoke head 4 homolog A (Chlamydomonas)
RSPH6A	81492	radial spokehead-like 1
RSPH9	221421	radial spoke head 9 homolog (Chlamydomonas)
SHH	6469	sonic hedgehog homolog (Drosophila)
SMO	6608	smoothened homolog (Drosophila)
SNTN	132203	sentan, cilia apical structure protein
SSTR3	6753	somatostatin receptor 3
STAT6	6778	signal transducer and activator of transcription 6, interleukin-4 induced
SUFU	51684	suppressor of fused homolog (Drosophila)
TEKT1	83659	tektin 1
TH	7054	tyrosine hydroxylase
TMEM67	91147	transmembrane protein 67
TP53	7157	tumor protein p53
TSC1	7248	tuberous sclerosis 1
TSC2	7249	tuberous sclerosis 2
TTC8	123016	tetratricopeptide repeat domain 8
TUBB1	81027	tubulin, beta 1
UGT1A	7361	UDP glucuronosyltransferase 1 family, polypeptide A cluster
UNC119	9094	unc-119 homolog (C. elegans)
VANGL2	57216	vang-like 2 (van gogh, Drosophila)
WDR52	55779	WD repeat domain 52
WDR63	126820	WD repeat domain 63
WDR78	79819	WD repeat domain 78
WNT9B	7484	wingless-type MMTV integration site family, member 9B
WWTR1	25937	WW domain containing transcription regulator 1
ICS1	3393	immotile cilia syndrome 1
CROCCP3	114819	ciliary rootlet coiled-coil, rootletin pseudogene 3
HSP90AA1	3320	heat shock protein 90kDa alpha (cytosolic), class A member 1
HSP90AA2	3324	heat shock protein 90kDa alpha (cytosolic), class A member 2
CROCCP2	84809	ciliary rootlet coiled-coil, rootletin pseudogene 2
CROCCP1	392547	ciliary rootlet coiled-coil, rootletin pseudogene 1
TRIM32	22954	tripartite motif containing 32
ADCY3	109	adenylate cyclase 3
ADCY7	113	adenylate cyclase 7
SPAG16	79582	sperm associated antigen 16