

Electronic Supplementary Material for:

Moonlighting of mitotic regulators in cilium disassembly

Authors

Cenna Doornbos^{1,2} and Ronald Roepman^{1,2}

Affiliations

1 Department of Human Genetics, Radboud University Medical Center, Nijmegen, The Netherlands

2 Radboud Institute for Molecular Life Sciences, Radboud University Medical Center, Nijmegen, The Netherlands

Correspondence

Ronald Roepman, Department of Human Genetics, Radboud University Medical Center, Nijmegen, The Netherlands.

Email: Ronald.Roepman@radboudumc.nl

ORCID IDs

Cenna Doornbos: 0000-0002-0613-3651

Ronald Roepman: 0000-0002-5178-8163

Electronic Supplementary Material – Table 1 – Protein names, alternative names and Uniprot ACs

Name	Full name	Alternative name(s)	Abbreviation from alternative name	Uniprot AC
ANAPC2	Anaphase-promoting complex subunit 2	APC2 , KIAA1406	-	Q9UJX6
ANKS6	Ankyrin repeat and SAM domain-containing protein 6	ANKRD14, PKDR1, SAMD6	-	Q68DC2
ATF4	Cyclic AMP-dependent transcription factor ATF-4	CREB2, TXREB, TaxREB67	Activating transcription factor 4	P18848
AURKA	Aurora kinase A	AIK, AIRK1, ARK1, AURA, AYK1, BTAK, IAK1, STK15, STK6	-	O14965
BORA	Protein aurora borealis	C13orf34, FLJ22624	-	Q6PGQ7
BUB1	Mitotic checkpoint serine/threonine-protein kinase BUB1	BUB1L, BUB1A	Budding uninhibited by benzimidazoles 1 homologue	O43683
BUB1B	Mitotic checkpoint serine/threonine-protein kinase BUB1 beta	BUBR1 , MAD3L, SSK1	Budding uninhibited by benzimidazoles 1 homologue B	O60566
BUB3	Mitotic checkpoint protein BUB3	BUB3L	Budding uninhibited by benzimidazoles 3 homologue	O43684
CALM1	Calmodulin-1	CALM, CAM, CAM1	-	P0DP23
CCP110	Centriolar coiled-coil protein of 110 kDa	CEP110 , CP110, KIAA0419	-	O43303
CDC14A	Dual specificity protein phosphatase CDC14A	CDC14 , CDC14A1, Cdc14A2, DFNB105	Cell division cycle 14 homolog A	Q9UNH5
CDC20	Cell division cycle protein 20 homolog	p55 , p55CDC, CDC20A	-	Q12834
CDK5	Cyclin-dependent-like kinase 5	CDKN5, PSSALRE	-	Q00535
CDKN1A	Cyclin-dependent kinase inhibitor 1	p21 , CAP20, CDKN1, CIP1, MDA6, PIC1, SDI1, WAF1	-	P38936
CENPE	Centromere-associated protein E	KIF10, PPP1R61	-	Q02224
CENPF	Centromere protein F	Mitosin , HCP-1	-	P49454
CENPJ	Centromere protein J	CPAP , SAS4 , LAP, LIP1	-	Q9HC77
CEP104	Centrosomal protein of 104 kDa	KIAA0562, JBTS25, GlyBP, RP1-286D6.4, CFAP256, ROC22	-	O60308
CEP131	Centrosomal protein of 131 kDa	AZI1 , KIAA1118	-	Q9UPN4
CEP290	Centrosomal protein of 290 kDa	NPHP6 , MKS4, BBS14, KIAA0373	-	O15078

Name	Full name	Alternative name(s)	Abbreviation from alternative name	Uniprot AC
CEP41	Centrosomal protein of 41 kDa	TSGA14, DKFZp762H1311, FLJ22445, JBTS15	-	Q9BYV8
CKAP5	Cytoskeleton-associated protein 5	ch-TOG , KIAA0097, TOG, TOGp	-	Q14008
CLASP1	CLIP-associating protein 1	KIAA0622, MAST1, hOrbit1	-	Q7Z460
CLASP2	CLIP-associating protein 2	KIAA0627, hOrbit2	-	O75122
CLIP1	CAP-Gly domain-containing linker protein 1	CLIP170 , CYLN1, RSN	-	P30622
CLIP2	CAP-Gly domain-containing linker protein 2	CLIP115 , CYLN2, KIAA0291, WBSCR3, WBSCR4, WSCR4	-	Q9UDT6
DVL2	Segment polarity protein dishevelled homolog DVL-2	DSH	-	O14641
ESPL1	Separin	ESP1, KIAA0165	Extra spindle poles-like 1 protein	Q14674
FBXW7	F-box/WD repeat-containing protein 7	FBW7, FBX30, SEL10, hCdc4, hAgo	-	Q969H0
FZD1	Frizzled-1	FZ1 , FZE1, DKFZp564G072	-	Q9UP38
FZR1	Fizzy-related protein homolog	CDH1 , FYR, FZR, KIAA1242	-	Q9UM11
GLI2	Zinc finger protein GLI2	THP, THP1, THP2, HPE9	-	P10070
HDAC6	Histone deacetylase 6	JM21, HD6, KIAA0901	-	Q9UBN7
HIF1A	Hypoxia-inducible factor 1-alpha	BHLHE78, MOP1, PASD8	-	Q16665
INVS	Inversin	INV , NPHP2	-	Q9Y283
IQCB1	IQ calmodulin-binding motif-containing protein 1	NPHP5 , KIAA0036, OK/SW-cl.85	-	Q15051
KIF17	Kinesin-like protein KIF17	KIAA1405, KIF3X	-	Q9P2E2
KIF24	Kinesin-like protein KIF24	C9orf48, bA571F15.4, FLJ10933, FLJ43884	Kinesin superfamily protein 24	Q5T7B8
KIF2A	Kinesin-like protein KIF2A	KIF2, KNS2	-	O00139
KNL1	Kinetochose scaffold 1	Blinkin , CASC5 , KIAA1570, D40/AF15q14, AF15q14, CT29	Kinetochose-null protein 1	Q8NG31
KNTC1	Kinetochose-associated protein 1	ROD , hROD, hsROD, KIAA0166	-	P50748
MAD2L1	Mitotic spindle assembly checkpoint protein MAD2A	MAD2, HSMAD2	-	Q13257
MAPK14	Mitogen-activated protein kinase 14	p38α , CSBP, CSBP1, CSBP2, CSPB1, MXI2, SAPK2A	-	Q16539
MAPRE1	Microtubule-associated protein RP/EB family member 1	EB1	-	Q15691

Name	Full name	Alternative name(s)	Abbreviation from alternative name	Uniprot AC
MAPRE3	Microtubule-associated protein RP/EB family member 3	EB3 , RP3	-	Q9UPY8
MIS12	Protein MIS12 homolog	MTW1 , MGC2488, KNTC2AP	-	Q9H081
MTOR	Serine/threonine-protein kinase mTOR	FRAP , FRAP1, FRAP2, RAFT1, RAPT1	Mammalian target of rapamycin	P42345
NDC80	Kinetochore protein NDC80 homolog	HEC1 , HEC, KNTC2, TID3	Nuclear division cycle	O14777
NDE1	Nuclear distribution protein nudE homolog 1	NUDE, NUDE1	-	Q9NXR1
NDEL1	Nuclear distribution protein nudE-like 1	EOPA, MITAP1, NUDEL	-	Q9GZM8
NEDD9	Enhancer of filamentation 1	HEF1 , CASL, CASS2, p105, NY-REN-12, HEF1-p55	Neural precursor cell expressed developmentally down-regulated protein 9	Q14511
NEK1	Serine/threonine-protein kinase Nek1	NY-REN-55, KIAA1901	-	Q96PY6
NEK2	Serine/threonine-protein kinase Nek2	NEK2A, NLK1, RP67, PPP1R111	-	P51955
NEK8	Serine/threonine-protein kinase Nek8	JCK, NEK12A	-	Q86SG6
NPHP3	Nephrocystin-3	KIAA2000	-	Q7Z494
NPHP4	Nephrocystin-4	POC10, KIAA0673	-	O75161
NUP93	Nuclear pore complex protein Nup93	KIAA0095	-	Q8N1F7
OFD1	Oral-facial-digital syndrome 1 protein	CXorf5, 71-7A, JBTS10	-	O75665
PAFAH1B1	Platelet-activating factor acetylhydrolase IB subunit alpha	LIS1 , LIS, PAFAHA, MDCR, MDS	-	P43034
PCM1	Pericentriolar material 1 protein	PTC4	-	Q15154
PIFO	Protein pitchfork	C1orf88, FLJ23853	-	Q8TCI5
PLK1	Serine/threonine-protein kinase PLK1	PLK	-	P53350
PTP4A3	Protein tyrosine phosphatase type IV A 3	PRL-3 , PRL3, PRLR	-	O75365
PTTG1	Securin	EAP1, PTTG, TUTR1	Pituitary tumor-transforming gene 1 protein	O95997
RAB8A	Ras-related protein Rab-8A	MEL, RAB8	-	P61006
RAN	GTP-binding nuclear protein Ran	ARA24, OK/SW-cl.81	-	P62826
RANBP2	E3 SUMO-protein ligase RanBP2	NUP358 , ADANE	-	P49792
RANGAP1	Ran GTPase-activating protein 1	KIAA1835, SD, FUG1	-	P46060
RPGRIP1L	Protein fantom	NPHP8 , MKS5, FTM, KIAA1005	-	Q68CZ1
TMEM107	Transmembrane protein 107	DC20, UNQ638/PRO1268	-	Q6UX40

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TMEM216	Transmembrane protein 216	MKS2 , HSPC244, JBTS2	-	Q9P0N5
TOGARAM1	TOG array regulator of axonemal microtubules protein 1	Creserin , Creserin-1, TOG2, FAM179B, KIAA0423	-	Q9Y4F4
TP53	Cellular tumor antigen p53	p53 , LFS1	-	P04637
TTK	Dual specificity protein kinase TTK	MPS1 , MPS1L, ESK, NCP, PYT, CT96, MPH1	Tyrosine/threonine-protein kinase	P33981
UBE2C	Ubiquitin-conjugating enzyme E2 C	UBCH10	-	O00762
VDAC3	Voltage-dependent anion-selective channel protein 3	HD-VDAC3	-	Q9Y277
WNT5A	Protein Wnt-5a	WNT-5A , hWNT5A	-	P41221
XPO1	Exportin-1	CARM1 , CAF2, SPAC1805.17, SPAC1B2.01	-	O14980
ZW10	Centromere/kinetochore protein zw10 homolog	KNTC1AP	Zeste-White 10	O43264
ZWILCH	Protein zwilch	FLJ10036, KNTC1AP	-	Q9H900

Relevant protein information including protein name and Uniport AC for all recalled proteins. Alternative names in **bold** are often used interchangeably with the official protein name or these proteins have (recently) been renamed.