

	Phylum	Species	Sequence code	Protein information	GI No. (NCBI)
Rab			ScYpt1p	Ras-like small GTPase, involved in the ER-to-Golgi step of the secretory pathway; complex formation	14318480
			ScSec4	D Chain D, Crystal Structure Of Sec4-Gdp	12084566
			ScYpt32p	probably involved in intra-Golgi transport or in the formation of transport vesicles at the most distal Golgi compartment; ras-like GTPase	6321228
			ScYpt31p	probably involved in intra-Golgi transport or in the formation of transport vesicles at the most dis	6320869
			ScYpt53p	Involved in vacuolar protein sorting and endocytosis; GTP-binding protein of the rab family	6324236
			ScYpt51	A Chain A, Gppnhp-Bound Ypt51 At 1.48 A Resolution	7767071
			ScYpt52p	rab5-like GTPase involved in vacuolar protein sorting and endocytosis; probable purine nucleotide-binding protein	6322866
			ScYpt10p	similar to Rab proteins and other small GTP-binding proteins	37362623
			ScYpt6p	Ras-like GTP binding protein involved in the secretory pathway, required for fusion of endosome-deri	6323291
			ScYpt7p	A Chain A, Gdp-Bound Ypt7p At 1.35 A Resolution	21465931
ScYpt11p	Protein that acts positively on mitochondrial distribution toward the bud	6324025			
Others	Ascomycota	<i>Saccharomyces cerevisiae</i>	ScRAS1	RAS1 protein	172361
			ScRAS2	RAS2 protein	172363
			ScRsr1p	Gtp-binding protein of the ras superfamily involved in bud site selection; GTP-binding protein	6321591
			ScRhb1p	rheb homologue; GTP-binding protein, ras family	10383790
			ScRho3	RHO3 protein	730509
			ScRho1	RHO1 protein	132536
			ScRho2	RHO2 protein	19880921
			ScRho4	RHO4 protein	464610
			ScCdc42p	Small rho-like GTPase, essential for establishment and maintenance of cell polarity	6323259
			ScRho5p	Rho family of small GTPases; Rho family GTPase	6324149
			ScGsp2p	GTP binding protein (mammalian Ranp homolog) involved in the maintenance of nuclear organization	6324759
			ScArf2p	ADP-ribosylation factor 2	6320064
			ScArf1p	Soluble GTPase with a role in regulation of membrane traffic	6319641
			ScArf1p	implicated in signal transduction and intracellular protein transport to or within the Golgi	6320009
			ScArf3p	GTP-binding ADP-ribosylation factor	6324668
			Scrl3p	Protein similar to ADP-ribosylation factor, involved in the carboxypeptidase Y pathway	6325206
			ScSar1p	Secretion-Associated, Ras-related. Component of COPII coat of vesicles; required for ER to Golgi	6325038
			ScCin4p	GTP-binding protein involved in beta-tubulin (Tub2p) folding; isolated as mutant with increased chromosome loss and sensitivity to benomyl	6323787

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Syntaxin	Angiosperms	<i>Oryza sativa</i>	OsSyp41	Putative syntaxin of plants 41	55296198
		<i>Arabidopsis thaliana</i>	AtKNOLLE	Syntaxin-related protein KNOLLE (Syntaxin 111)	2501102
			AtSYP32	Putative syntaxin SYP32	30793955
	Ascomycota	<i>Saccharomyces cerevisiae</i>	ScSso1	SSO1 protein	730836
			ScSso2	Plasma membrane t-SNARE involved in fusion of secretory vesicles at the plasma membrane; syntaxin homolog	6323837
			ScUfe1	t-SNARE that resides on the endoplasmic reticulum and mediates retrograde traffic from the Golgi complex	6324649
			ScSed5	cis-Golgi t-SNARE syntaxin required for vesicular transport between the ER and the Golgi complex	6323054
			ScTlg2	Member of the syntaxin family of t-SNAREs; tSNARE that affects a Late Golgi compartment	6324555
			ScPep12	Target membrane receptor (t-SNARE) for vesicular intermediates traveling between the Golgi apparatus and the vacuole	6324610
			ScVam3p	Syntaxin-related protein required for vacuolar assembly	6324680
	Chordata	<i>Homo sapiens</i>	Hs_Stx16	STX16 protein	49256597
			Hs_Syt5-like	PREDICTED: similar to Syntaxin-5	113422931
			Hs_Syt1A	AAK54507 syntaxin 1A	15079184
			Hs_Syt2	Syntaxin 2 isoform 2	37577162
			Hs_Syt18	Syntaxin 18	8394376
Hs_Stx7	STX7_HUMAN Syntaxin-7	20532414			
Hs_Syt12	Syntaxin 12	28933465			