

## Product datasheet for **TP510001**

### Rph3a (NM\_011286) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse rabphilin 3A (Rph3a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210001 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MTDTVNRWMPYGDGPLQSNDEQLQAGWSVHPGAQTDRQRKQEELTDEEKEIINRVIARA EKMEAMEQE RIGRLVDRLETRKKNVAGDGVNRCILCGEQLGMLGSACVVCEDCKKNVCTKCGVETSNNRPHPVWLCKIC LEQREVWKRSGAWFFKGFQVLPQPMPIKTKPQQPAGEPATQEQTPESTRHPARAPARGDMEDRRPPG QKPGPDLTSAPGRGSHGPPTRRASEARMSTAARDSEGWDHAHGGGTGDTSRSPAGLRRANSVQAARPAPA PVPSPAPPQPVQPGPPGSRATPGPGRFPEQSTEAPSPDGYPGAVAPAREERTGPAGGFQAAPHTAAPY SQAAPARQPPPAEEEEEEANSYDSDEATTLGALEFSLLYDQDNSNLQCTIIRAKGLKPMDSNGLADPYVK LHLLPGASKSNLRTKTLRNRNPVWNETLQYHGITEEDMQRKTLRISVCEDEKFGHNEFIGETRFSLKK LKANQRKNFNICLERVPMKRAGTTGSARGMALYEEEQVERIGDIEERGKILVSLMYSTQQGGLIVGIIR CVHLAAMDANGYSDPFVKLWLKPD MGKKAKHKTQIKKKT LNPEFN EEFYDIKHS DLAKKSLDISWWDYD IGKSNDYIGGCQLGISAKGERLKH WYECLKNKDKKIERWHQLQ NENHVSSD</p> <p><b>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	75.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	<a href="#">NP_035416</a>
Locus ID:	19894
UniProt ID:	<a href="#">P47708</a>
RefSeq Size:	4163
Cytogenetics:	5 F
RefSeq ORF:	2046
Synonyms:	2900002P20Rik; AU022689; AW108370
Summary:	Plays an essential role in docking and fusion steps of regulated exocytosis (By similarity). At the presynaptic level, RPH3A is recruited by RAB3A to the synaptic vesicle membrane in a GTP-dependent manner where it modulates synaptic vesicle trafficking and calcium-triggered neurotransmitter release (By similarity). In the post-synaptic compartment, forms a ternary complex with GRIN2A and DLG4 and regulates NMDA receptor stability. Plays also a role in the exocytosis of arginine vasopressin hormone (By similarity).[UniProtKB/Swiss-Prot Function]