

## Product datasheet for **TP517501**

### Rabep1 (NM\_019400) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse rabaptin, RAB GTPase binding effector protein 1 (Rabep1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR217501 protein sequence Red=Cloning site Green=Tags(s)

MAQPGPAPQPVDVSLQQRVAELEKINAEFLRAQQQLEQEFNQKRAKFKELYLAKEEDLKRQNAVLQAAQDD  
LGHRLTQLWEAQAEMENIKAIATVSENTKQEAIDEVKRQWREEVASLQAIMKETVRDYEHQFHLRLEQER  
AQWAQYRESAEREIADLRRRLSEGQEEENLENEMKKAQEDAELRSVMPMEKEIAALKDKLTEAEDKIK  
ELEASKVKELNHYLEAEKSCRTDLEMVAVLNTQKSVLQEDAELRKLHEVCHLLEQERQQHNQLKHTW  
QKANDQFLESQRLLMRDMQRMEIVLTSEQLRQVEELKKKQDEEQQRVNKRKDNKKTDTTEEVKIPVVC  
ALTQEESSSTPLSNEEEHLDSTHGSVHSLDADLMLPSGDPFSKSDNDMFKDGLRRAQSTDLSGTSSSLQSK  
ALGYNYKAKSAGNLDESDFGLVGDVSENFDTVSLGSLQMPSGFMLTKDQERAIKAMTPEQEETASLL  
SSVTQGMESAYVSPSGYRLVSETEWNLLQKEVHNAGNKLGRRCMDCSNYEKQLQGIQIQEAETRDQVKKL  
QLMLRQANDQLEKTMKEKQELEDFLKQSAEDSSHQISALVLRQAASEVLEELQSFSAKRDVQEOMAV  
LMQSREQVSEELVRLQKDNDSLQGKHSLSLHSLQLAEDFILPDTVEVLRELVLKYRENIVHVRTAADHMEE  
KLKAEILFLKEQIQAEQCLKENLEETLQLEIENCKEEIVLASISSLKAELERIKVEKGQLESTLREKSQQ  
LESLQEMKVNLEEQLKKETAAKATVEQLMFEEKNAQRLQTELDVSEQVQRDFVKLSQTLQVQLERIRQA  
DSLERIRAILNDTKLTDINQLPET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	99.7 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.



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<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_062273</a></u>
<b>Locus ID:</b>	54189
<b>UniProt ID:</b>	<u><a href="#">O35551</a></u>
<b>RefSeq Size:</b>	5440
<b>Cytogenetics:</b>	11 43.21 cM
<b>RefSeq ORF:</b>	2595
<b>Synonyms:</b>	Rab5ep; rabaptin-5; rabaptin-5alpha
<b>Summary:</b>	Rab effector protein acting as linker between gamma-adaptin, RAB4A and RAB5A. Involved in endocytic membrane fusion and membrane trafficking of recycling endosomes. Involved in KCNH1 channels trafficking to and from the cell membrane. Stimulates RABGEF1 mediated nucleotide exchange on RAB5A. Mediates the traffic of PKD1:PKD2 complex from the endoplasmic reticulum through the Golgi to the cilium (PubMed:25405894).[UniProtKB/Swiss-Prot Function]