

Product datasheet for **TP518969**

Rab12 (NM_024448) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAB12, member RAS oncogene family (Rab12), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218969 representing NM_024448 Red =Cloning site Green =Tags(s) MDPSAALHRRPAGGSLGAVSPALSGGQARRRQPPRPADFKLQVIIIIGSRGVGKTSLMERFTDDTFCEAC KSTVGVDKIKTVELRGKKIRLQIWDTAGQERFNSITSAYYRSAKGIIIVYDITKKETFDDLPKWMMKID KYASEDAELLLVGNKLDCEVDREISRQQGEKFAQQITGMRFCEASAKDNFNVDEIFLKLVDLILKKMPLD VLRNELSNSILSLQPEPEIPPELPPPRPHVRC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	27.3 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.
RefSeq:	NP_077768
Locus ID:	19328
UniProt ID:	P35283
RefSeq Size:	2010



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Cytogenetics: 17 E1.1

RefSeq ORF: 729

Synonyms: 2900054P15Rik; AW555448; C77700

Summary: The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). That Rab may play a role in protein transport from recycling endosomes to lysosomes regulating, for instance, the degradation of the transferrin receptor. Involved in autophagy.[UniProtKB/Swiss-Prot Function]