

Product datasheet for **TP516803**

Rab43 (NM_001039394) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAB43, member RAS oncogene family (Rab43), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216803 representing NM_001039394 Red =Cloning site Green =Tags(s)
	MAGPGPGDQDEHYDFLFKLVLVGDASVGKTCVQRFKTGAFSARQGSTIGVDFTMKTLEIQGKRVKLQIW DTAGQERFRTITQSYRSANGAILAYDISKRSTFLSVPHWIEDVRKYAGSNIVQLLIGNKSDLADFREVP LAEAQSLAEHYDILCAIETSAKSSNVEEAFTRVATELIMRHGGPMFSEKNTDHIQLDSKDIAESWGCGC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	23.3 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:	<u>NP_001034483</u>
Locus ID:	69834
UniProt ID:	<u>Q8CG50, Q0PD10</u>
RefSeq Size:	4605
Cytogenetics:	6 D1



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RefSeq ORF: 630

Synonyms: 1810048P08Rik; 2500004H21Rik; AW490415

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. The low intrinsic GTPase activity of RAB43 is activated by USP6NL. Involved in retrograde transport from the endocytic pathway to the Golgi apparatus. Involved in the transport of Shiga toxin from early and recycling endosomes to the trans-Golgi network. Required for the structural integrity of the Golgi complex. Plays a role in the maturation of phagosomes that engulf pathogens, such as *S.aureus* and *Mycobacterium*. [UniProtKB/Swiss-Prot Function]