

## Product datasheet for TP518479

### Rab31 (NM\_133685) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAB31, member RAS oncogene family (Rab31), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218479 representing NM_133685 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MMAIRELKVCLLGDTGVGKSSIVCRFVQDHFHDHNISPTIGASFMTKTVPCGNELHKFLIWDTAGQERFHS LAPMYYRGSAAAVIVYDITKQDSFHLLKKWVKELKEHGPENIVMAIAGNKCDLSDIREVPLKDAKEYAES IGAIIVETSAKNAINIEELFQGISRQIPPLGPQENGNSGGIKLGNQSLQASRRCC
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	21.5 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.
RefSeq:	<u><a href="#">NP_598446</a></u>
Locus ID:	106572
UniProt ID:	<u><a href="#">Q921E2</a></u> , <u><a href="#">Q3TXV4</a></u>
RefSeq Size:	3476
Cytogenetics:	17 E1.1



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RefSeq ORF: 585

Synonyms: 1700093E07Rik; AI415285; Rab22B

**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. Required for the integrity and for normal function of the Golgi apparatus and the trans-Golgi network. Plays a role in insulin-stimulated translocation of GLUT4 to the cell membrane. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and Mycobacterium (By similarity). Plays a role in M6PR transport from the trans-Golgi network to endosomes. Plays a role in the internalization of EGFR from the cell membrane into endosomes.[UniProtKB/Swiss-Prot Function]