

Product datasheet for TP524055

Rab38 (NM_028238) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAB38, member RAS oncogene family (Rab38), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224055 protein sequence Red=Cloning site Green=Tags(s)

MQTPHKEHLYKLLVIGDLGVGKTSIIKRYVHQNFSSHYRATIGVDFALKVLHWDPETVRLQLWDIAGQE
RFGNMTRVYYREAMGAFIVFDVTRPATFEAVAKWKNDLDSKLTLPNGKPVSVLLANKCDQGKDVLMNNG
LKMDQFCKEHGFVGVWFETSAKENINIDEASRCLVKHILANECDLLESIEPDIVKPHLTSPKVVSCSGCAK
S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	23.8 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_082514
Locus ID:	72433
UniProt ID:	Q8QZZ8 , Q5FW76
RefSeq Size:	1577



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Cytogenetics: 7 49.19 cM

RefSeq ORF: 636

Synonyms: 2310011F14Rik; AU043391; cht

Summary: Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and Mycobacterium (By similarity). May be involved in melanosomal transport and docking. Involved in the proper sorting of TYRP1. Involved in peripheral melanosomal distribution of TYRP1 in melanocytes; the function, which probably is implicating vesicle-trafficking, includes cooperation with ANKRD27 and VAMP7 (PubMed:21187289). Plays an important role in the control of melanin production and melanosome biogenesis (By similarity). In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes (PubMed:26620560).[UniProtKB/Swiss-Prot Function]