

Product datasheet for PH302196

RAB38 (NM_022337) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAB38 MS Standard C13 and N15-labeled recombinant protein (NP_071732)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202196
Predicted MW:	23.7 kDa
Protein Sequence:	>RC202196 protein sequence Red =Cloning site Green =Tags(s) MQAPHKEHLYKLLVIGDLGVGKTSIIKRYVHQNFSSHYRATIGVDFALKVLHWDPEVTVRLQLWDIAGQE RFGNMTRVYYREAMGAFIVFDVTRPATFEAVAKWKNDLDSKLSL PNGKPVSVVLLANKCDQGDVLMNNG LKMDQFCKEHGFVGVFETSAKENINIDEASRCLVKHILANECDLMESIEPDVVKPHLTSTKVASCSGCAK S TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_071732
RefSeq Size:	1479
RefSeq ORF:	633
Synonyms:	NY-MEL-1; rrGTPbp
Locus ID:	23682
UniProt ID:	P57729 , A0A024R191



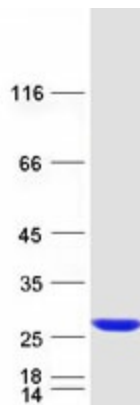
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Cytogenetics: 11q14.2

Summary: 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 (By similarity). Plays a role in the maturation of phagosomes that engulf pathogens, such as *S.aureus* and *M.tuberculosis* (PubMed:21255211). Plays an important role in the control of melanin production and melanosome biogenesis (PubMed:23084991). In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RAB38 protein (Cat# [TP302196]). The protein was produced from HEK293T cells transfected with RAB38 cDNA clone (Cat# [RC202196]) using MegaTran 2.0 (Cat# [TT210002]).