

Product datasheet for PH301922

RAB23 (NM_016277) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAB23 MS Standard C13 and N15-labeled recombinant protein (NP_057361)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201922
Predicted MW:	26.7 kDa
Protein Sequence:	>RC201922 protein sequence Red=Cloning site Green=Tags(s) MLEEDMEVAIKMVVVGNGAVGKSSMIQRYCKGIFTKDYKKTIGVDFLERQIQVNDEDVRLMLWDTAGQEE FDAITKAYYRGAQACVLVFTTDRSEFEAVSSWREKVVAEVGDIPVTVQNKIDLLDDSCIKNEEAALAK KRLKLRFYRTSVKEDLNVEVFKYLAEKYLQKLKQIAEDPELTHSSSNKIGVFNTSGGSHSGQNSGTLN GGDVINLRPNKQRTKKNRNPSSCSIP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_057361
RefSeq Size:	4837
RefSeq ORF:	711
Synonyms:	HSPC137
Locus ID:	51715
UniProt ID:	Q9ULC3 , A0A024RD41



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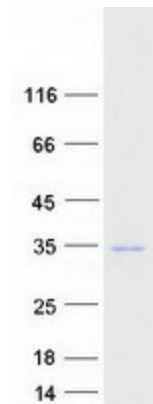
Cytogenetics: 6p12.1-p11.2

Summary: This gene encodes a small GTPase of the Ras superfamily. Rab proteins are involved in the regulation of diverse cellular functions associated with intracellular membrane trafficking, including autophagy and immune response to bacterial infection. The encoded protein may play a role in central nervous system development by antagonizing sonic hedgehog signaling. Disruption of this gene has been implicated in Carpenter syndrome as well as cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Protein Families: Druggable Genome

Protein Pathways: Hedgehog signaling pathway

Product images:



Coomassie blue staining of purified RAB23 protein (Cat# [TP301922]). The protein was produced from HEK293T cells transfected with RAB23 cDNA clone (Cat# [RC201922]) using MegaTran 2.0 (Cat# [TT210002]).