

Product datasheet for PH301932

RAB35 (NM_006861) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAB35 MS Standard C13 and N15-labeled recombinant protein (NP_006852)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201932
Predicted MW:	23 kDa
Protein Sequence:	>RC201932 protein sequence Red =Cloning site Green =Tags(s) MARDYDHLFKLLIIGDSGVGKSSLLRFADNTFSGSYITTIGVDFKIRTVEINGEKVKLQIWDTAGQERF RTITSTYYRGTHGVIIVYDVTSAESFVNVKRWLHEINQNCDDVCRILVGNKNDPERKVVETEDAYKFAG QMGIQLFETSAKENVNVEEMFNCITELVLRRAKDNLAKQQQQQNDVVKLTNKRKRKRC TR TRPLEQKLISEEDLAANDILDYKDDDDKV
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_006852
RefSeq Size:	2962
RefSeq ORF:	603
Synonyms:	H-ray; RAB1C; RAY
Locus ID:	11021
UniProt ID:	Q15286



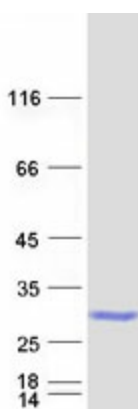
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Cytogenetics: 12q24.23

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 sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab is involved in the process of endocytosis and is an essential rate-limiting regulator of the fast recycling pathway back to the plasma membrane. During cytokinesis, required for the postfurlowing terminal steps, namely for intercellular bridge stability and abscission, possibly by controlling phosphatidylinositol 4,5-bis phosphate (PIP2) and SEPT2 localization at the intercellular bridge. May indirectly regulate neurite outgrowth. Together with TBC1D13 may be involved in regulation of insulin-induced glucose transporter SLC2A4/GLUT4 translocation to the plasma membrane in adipocytes.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RAB35 protein (Cat# [TP301932]). The protein was produced from HEK293T cells transfected with RAB35 cDNA clone (Cat# [RC201932]) using MegaTran 2.0 (Cat# [TT210002]).