

Product datasheet for PH302283

RAB7B (NM_177403) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAB7B MS Standard C13 and N15-labeled recombinant protein (NP_796377)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202283
Predicted MW:	22.5 kDa
Protein Sequence:	<p>>RC202283 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MNPRKKVDLKLIIVGAIGVGKTSLLHQYVHKTFYEEYQTTLGASILSKIIILGDTTLKLQIWDGTGGQERF RSMVSTFYKGS DGCILAFDVTDLSEFALDIWRGDVLAKIVPMEQSYPMVLLGNKIDLADRKVPQEVAQG WCREKDIPYFEVSAKNDINVVQAFEMLASRALSRYQSILENHLTESIKLSPDQSRSRCC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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:	<u>NP_796377</u>
RefSeq Size:	3032
RefSeq ORF:	597
Synonyms:	RAB7
Locus ID:	338382
UniProt ID:	<u>Q96AH8</u>

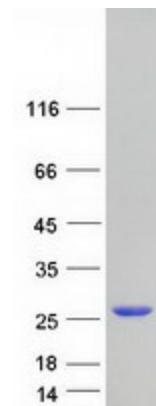

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Cytogenetics: 1q32.1

Summary: Controls vesicular trafficking from endosomes to the trans-Golgi network (TGN). Acts as a negative regulator of TLR9 signaling and can suppress TLR9-triggered TNFA, IL6, and IFNB production in macrophages by promoting TLR9 lysosomal degradation. Also negatively regulates TLR4 signaling in macrophages by promoting lysosomal degradation of TLR4. Promotes megakaryocytic differentiation by increasing NF-kappa-B-dependent IL6 production and subsequently enhancing the association of STAT3 with GATA1. Not involved in the regulation of the EGF- and EGFR degradation pathway.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RAB7B protein (Cat# [TP302283]). The protein was produced from HEK293T cells transfected with RAB7B cDNA clone (Cat# [RC202283]) using MegaTran 2.0 (Cat# [TT210002]).