

Product datasheet for PH327093

RAB7L1 (RAB29) (NM_001135662) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAB7L1 MS Standard C13 and N15-labeled recombinant protein (NP_001129134)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227093
Predicted MW:	23.2 kDa
Protein Sequence:	>RC227093 protein sequence Red =Cloning site Green =Tags(s) MGSRDHLFKVLVVGDAAVGKTSLVQRYSQDSFSKHYKSTVGVDFALKVLQWSDYEIVRLQLWDIAGQERF TSMTRLYYRDASACVIMFDVTNATTFSNSQRWKQDLDSKLTLPNGEPVPCLLLANKCDLSPWAVSRDQID RFSKENGFTGWTETSVKENKNINEAMRVLIEKMMRNSTEDIMSLSTQGDYINLQTKSSSWSCC 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_001129134
RefSeq Size:	3223
RefSeq ORF:	609
Synonyms:	RAB7L; RAB7L1
Locus ID:	8934
UniProt ID:	O14966 , Q6FGU7 , B2R7I9



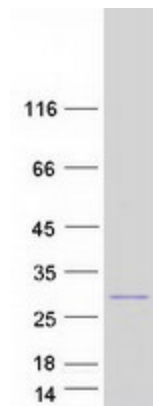
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Cytogenetics: 1q32.1

Summary: Rab GTPase key regulator in vesicle trafficking. Essential for maintaining the integrity of the endosome-trans-Golgi network structure. Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner. Regulates neuronal process morphology in the intact central nervous system (CNS). May play a role in the formation of typhoid toxin transport intermediates during *Salmonella enterica* serovar Typhi (*S.Typhi*) epithelial cell infection.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RAB29 protein (Cat# [TP327093]). The protein was produced from HEK293T cells transfected with RAB29 cDNA clone (Cat# [RC227093]) using MegaTran 2.0 (Cat# [TT210002]).