

Product datasheet for PH312442

RABGAP1L (NM_014857) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RABGAP1L MS Standard C13 and N15-labeled recombinant protein (NP_055672)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212442
Predicted MW:	92.3 kDa
Protein Sequence:	>RC212442 representing NM_014857 Red =Cloning site Green =Tags(s)

MEVRASLQKVSQSSDSVATMNSEEFVLVPQYADDNSTKHEEKPQLKIVSNGDEQLEKAMEEILRDSEKRP
 SSLLVDCQSSSEISDHSFGDIPASQTNKPSLQLILDPSNTEISTPRPSSPGGLPEEDSVLFNKLTYLGCM
 KYSSPRNEVEALRAMATMKSSSQYFPVTLVVPNVPEGSVRIIDQSSNVEIASFPIYKVLFCARGHDGTT
 ENSCFAFTESSHGSEEFQIHVFSCEIKEAVSRILYSFCTAFKRSSRQVSDVKDSVPTDSDVFTFSVSL
 EVKEDDGKGNFSPVPKDRDKFYFKLKQGIEKKVVITVQQLSNKELAIERCFGMLLSPGRNVKNSDMHLLD
 MESMGKSYDGRAYVITGMWNPAPVFLALNEETPKDKQVYMTVAVDMVVTEVVEPVRFLLLETVVRVYPAN
 ERFWYFSRKTFETTFMRLKQSEGKGHTNAGDAIYEVVSLQRESKKEEPVTPTSGGGPMSPQDDEAEES
 DNELSSGTGDVSKDCPEKILYSWGELLGKWSNLGAPKGLSTLVKSGVPEALRAEVWQLLAGCHDNQAM
 LDRYRILITKDSAQESVITRDIHRTFPAHDYFKDTGGDGQESLYKICKAYSVYDEDIGYCQGSFLAAVL
 LLHMPPEQAFCVLVKIMYDGLRDLYRNNFEDLHCKFYQLERLMQEQLPDLHSHFSDLNLEAHMYASQWF
 LTLFTAKFPLCMVFHIIIDLLCEGLNIIHFVALALLKTSKEDLLQADFEGALKFFRVQLPKRYRAEENAR
 RLMEQACNIKVPTKLLKYEKEYQTMRESQLQQEDPMDRYKFVYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

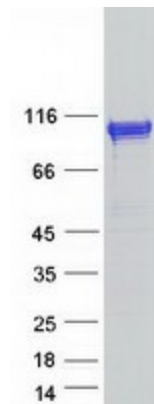
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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_055672


[View online »](#)

RefSeq Size: 2940
 RefSeq ORF: 2445
 Synonyms: HHL; TBC1D18
 Locus ID: 9910
 UniProt ID: [Q5R372](#), [F1LJ00](#)
 Cytogenetics: 1q25.1

Summary: GTP-hydrolysis activating protein (GAP) for small GTPase RAB22A, converting active RAB22A-GTP to the inactive form RAB22A-GDP (PubMed:16923123). Plays a role in endocytosis and intracellular protein transport. Recruited by ANK2 to phosphatidylinositol 3-phosphate (PI3P)-positive early endosomes, where it inactivates RAB22A, and promotes polarized trafficking to the leading edge of the migrating cells. Part of the ANK2/RABGAP1L complex which is required for the polarized recycling of fibronectin receptor ITGA5 ITGB1 to the plasma membrane that enables continuous directional cell migration (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RABGAP1L protein (Cat# [TP312442]). The protein was produced from HEK293T cells transfected with RABGAP1L cDNA clone (Cat# [RC212442]) using MegaTran 2.0 (Cat# [TT210002]).