

Recombinant Human RABGAP1L Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. RABGAP1L-134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RABGAP1L MS Standard C13 and N15-labeled recombinant protein (NP_055672) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	GTP-hydrolysis activating protein (GAP) for small GTPase RAB22A, converting active RAB22A-GTP to the inactive form RAB22A-GDP. 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.
Molecular Mass	92.3 kDa
AA Sequence	MEVRASLQKVSGSSDSVATMNSEEFVLVPQYADDNSTKHEEKPQLKIVSNGDEQLE KAMEEILRDSEKRPSSLLVDCQSSSEISDHSFGDIPASQTNKPSLQLILDPSNTEISTP RPSSPGGLPEEDSVLFNKLTLYLGCMKVSSPRNEVEALRAMATMKSSSQYPFPVTLY VPNVPEGSVRIIDQSSNVEIASFPIYKVLFCARGHDGTTESNCFAFTESSHGSEEFQI HVFSCIEKEAVSRILYSFCTAFKRSSRQVSDVKDSVIPTPDSDVFTFSVSLEVKEDDG

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KGNFSPVPKDRDKFYFKLKQGIEKKVVITVQQLSNKEIAIERCFGMLLSPGRNVKNS
 DMHLLDMESMGKSYDGRAYVITGMWNPANAPVFLALNEETPKDKQVYMTVAVDMVV
 TEVVEPVRFLETVVRVYPANERFWYFSRKTFTETFFMRLKQSEGKGHTNAGDAIYE
 VVSLQRESKDKEEPVTPTSGGGPMS PQDDEAEEESDNE LSSTGTDVSKDCPEKILYS
 WGELLGKWHSNLGARP KGLSTLVKSGVPEALRAEVWQLLAGCHDNQAMLD RYRILI
 TKDSAQESVITRDIHRTFPAHDYFKDTGGDGQESLYKICKAYS VYDEDIGYCQGQSF
 LAAVLLHMP EEAFCVLVKIMYDYGLRDLYRNNFEDLHCKFYQLERLMQEQLPDLH
 SHFSDLNLEAHMYASQWFLTLFTAKFPLCMVFHII DLLLCEGLNIIFHVALALLKTSKE
 DLLQADFEGALKFFRVQLPKRYRAEENARRLMEQACNIKVPTKKLKKYEKEYQTMR
 ESQ LQQEDPMDRYKFVYLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RABGAP1L RAB GTPase activating protein 1 like [Homo sapiens (human)]

Official Symbol RABGAP1L

Synonyms RABGAP1L; RAB GTPase activating protein 1 like; HHL; TBC1D18; rab GTPase-activating protein 1-like; TBC1 domain family, member 18; expressed in hematopoietic cells, heart, liver (HLL)

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Gene ID 9910

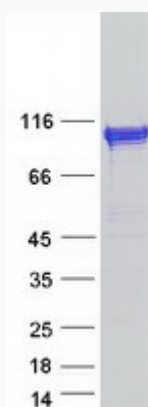
mRNA Refseq NM_014857

Protein Refseq NP_055672

MIM 609238

UniProt ID Q5R372

SDS-PAGE



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