

Recombinant Human RAB35 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RAB35-2978H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAB35 MS Standard C13 and N15-labeled recombinant protein (NP_006852) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	23 kDa
AA Sequence	MARDYDHLFKLLIIGDSGVGKSSLLLRFADNTFSGSYITTIGVDFKIRTVEINGEKVKLQ

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IWDTAGQERFRTITSTYYRGTHGVIVVYDV TSAESFVNVKRWLHEINQNCDDVCRIL
 VGNKNDDPERKVVETEDAYKFAGQMGIQLFETSAKENVNVEEMFNCITELVLRACK
 DNLAQQQQQQNDVVKLTKNKRKKRCCTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

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 RAB35 RAB35, member RAS oncogene family [Homo sapiens (human)]

Official Symbol RAB35

Synonyms RAB35; RAB35, member RAS oncogene family; ras-related protein Rab-35; H ray; GTP-binding protein RAY; ras-related protein rab-1c (GTP-binding protein ray); RAY; H-ray; RAB1C;

Gene ID 11021

mRNA Refseq NM_006861

Protein Refseq NP_006852

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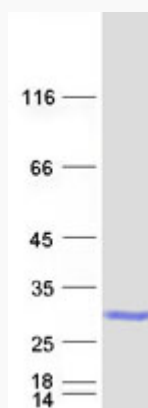
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MIM 604199

UniProt ID Q15286

SDS-PAGE



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