

Recombinant Human RAB43 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RAB43-2541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAB43 MS Standard C13 and N15-labeled recombinant protein (NP_940892) 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 set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. The low intrinsic GTPase activity of RAB43 is activated by USP6NL. Involved in retrograde transport from the endocytic pathway to the Golgi apparatus. Involved in the transport of Shiga toxin from early and recycling endosomes to the trans-Golgi network. Required for the structural integrity of the Golgi complex. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis.
Molecular Mass	23.3 kDa
AA Sequence	MAGPGPGPGDPDEQYDFLFLVLVGDA SVGKTCVVQRFKTGAFSERQGSTIGVDF TMKTLEIQGKRVKLQIWDTAGQERFRTITQSYIRSANGAILAYDITKRSSFSLVPHWI EDVRKYAGSNIVQLLIGNKSDLSELREVS LAEAQSLAEHYDILCAIETSAKDSSNVEEA

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	FLRVATELIMRHGGPLFSEKSPDHIQLNSKDIGEGWGCCTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
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.

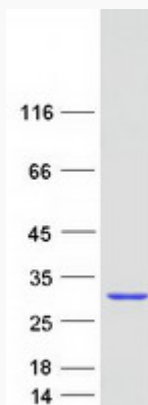
GENE INFORMATION

Gene Name	RAB43 RAB43, member RAS oncogene family [Homo sapiens (human)]
Official Symbol	RAB43
Synonyms	RAB43; RAB43, member RAS oncogene family; ras-related protein Rab-43; ISY1; RAB11B; RAB41; ras-related protein Rab-41; MGC90481;
Gene ID	339122
mRNA Refseq	NM_198490
Protein Refseq	NP_940892
UniProt ID	Q86YS6

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SDS-PAGE

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