

Recombinant Mouse Rab43 Protein, Myc/DDK-tagged

Cat. No. Rab43-5323M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RAB43, member RAS oncogene family (Rab43), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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 Mycobacterium.
Molecular Mass	23.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Rab43 RAB43, member RAS oncogene family [Mus musculus (house mouse)]
Official Symbol	Rab43
Synonyms	RAB43; RAB43, member RAS oncogene family; ras-related protein Rab-43; AW490415; MGC6993; 1810048P08Rik; 2500004H21Rik
Gene ID	69834
mRNA Refseq	NM_001039394
Protein Refseq	NP_001034483
UniProt ID	Q8CG50