

Recombinant Human RAB10 protein, His-tagged

Cat. No. RAB10-7264H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAB10 protein(NP_057215.3)(1-196 aa) was fused to His-tagged and expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Partial
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. That Rab is mainly involved in the biosynthetic transport of proteins from the Golgi to the plasma membrane. Regulates, for instance, SLC2A4/GLUT4 glucose transporter-enriched vesicles delivery to the plasma membrane. In parallel, it regulates the transport of TLR4, a toll-like receptor to the plasma membrane and therefore may be important for innate immune response. Plays also a specific role in asymmetric protein transport to the plasma membrane within the polarized neuron and epithelial cells. In neurons, it is involved in axonogenesis through regulation of vesicular membrane trafficking toward the axonal plasma membrane while in epithelial cells, it regulates transport from the Golgi to the basolateral membrane. Moreover, may play a role in the basolateral recycling pathway and in phagosome maturation.may play a role in endoplasmic reticulum

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	dynamics and morphology controlling tubulation along microtubules and tubules fusion.
Form	Tris-based buffer,50% glycerol
Molecular Mass	26.1kDa
AA Sequence	MAKPTYDLLFKLLIGDSGVGKTCVLFRFSDDAFNTTFISTIGIDFKIKTVELQGKKIKL QIWDTAGQERFHTITTSYYRGAMGIMLVYDITNGKSFENISKWLRNIDEHANEDVER MLLGNKCDMDDKRVPKKGKEQIAREHGIRFFETSAKANINIEKAFLTAEILRKTP VKEPNSENVDISSGGGVGTGWK
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	RAB10
Official Symbol	RAB10

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	GTP binding protein RAB10; Rab10; RAB10 member RAS oncogene family; RAB10_HUMAN; Ras related GTP binding protein; Ras related GTP binding protein RAB10; Ras-related protein Rab-10
Gene ID	10890
mRNA Refseq	NM_016131.5
Protein Refseq	NP_057215.3
MIM	612672
UniProt ID	P61026
SDS-PAGE of RAB10-7264H	