Ras-related protein Rab-10 (Rab10) Recombinant Protein | Rab10 recombinant protein

Recombinant Mouse Ras-related protein Rab-10 (Rab10)

CATALOG #	HOST
AAA113774	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Ras-related protein Rab-10 (Rab10); Recombinant Mouse Ras-related protein Rab-10 (Rab10); Ras-related protein Rab-10; Rab10 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-200aa; Full Length
Sequence	MAKKTYDLLF KLLLIGDSGV GKTCVLFRFS DDAFNTTFIS TIGIDFKIKT VELQGKKIKL QIWDTAGQER FHTITTSYYR GAMGIMLVYD ITNGKSFENI SKWLRNIDEH ANEDVERMLL GNKCDMDDKR VVPKGKGEQI AREHGIRFFE TSAKANINIE KAFLTLAEDI LRKTPVKEPN SENVDISSGG GVTGWKSKCC
Sequence Length	200
Species	Mus musculus (Mouse)
Production Note	**Special Offer:** The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our **or email to** for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES

SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Rab10 recombinant protein	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 (By similarity). 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. Finally, may play a role in endoplasmic reticulum dynamics and morphology controlling tubulation along microtubules and tubules fusion.
Product Categories/Family for Rab10 recombinant protein	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	7710086
NCBI GeneID	19325
NCBI Accession #	NP_057885.1
NCBI GenBank Nucleotide #	NM_016676.5
UniProt Accession #	P61027; O88386; Q9D7X6
Molecular Weight	38.5 kDa
NCBI Official Full Name	ras-related protein Rab-10
NCBI Official Synonym Full Names	RAB10, member RAS oncogene family
NCBI Official Symbol	Rab10
NCBI Official Synonym Symbols	AW107754
NCBI Protein Information	ras-related protein Rab-10
UniProt Protein Name	Ras-related protein Rab-10
UniProt Gene Name	**Rab10**
UniProt Entry Name	RAB10_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/rab10-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113774