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RAB11A Protein (AA 2-212) (His tag)



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Quantity:	100 μg
Target:	RAB11A
Protein Characteristics:	AA 2-212
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB11A protein is labelled with His tag.

Product Details

Sequence:	Gly 2-Cys 212
Characteristics:	A DNA sequence encoding the Human RAB11A protein (P62491) (Gly 2-Cys 212) was expressed with a N-His&C-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	RAB11A
Alternative Name:	RAB11A (RAB11A Products)
Background:	Abbreviation: RAB11A
	Target Synonym: Ras-related protein Rab-11A,RAB11A,Rab-11
	Background: Regulates endocytic recycling. May exert its functions by interacting with multiple
	effector proteins in different complexes. Acts as a major regulator of membrane delivery during

cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization.

Together with RAB3IP, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and

DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis (By similarity). Together with MYO5B participates in

CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells.

Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes.

Molecular Weight:

Calculated MW: 23.1 kDa

Observed MW: 30 kDa

UniProt:

P62491

Pathways:

Regulation of Cell Size, Thromboxane A2 Receptor Signaling, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months