For Research Use Only

Recombinant Mouse RAB5A protein (rFc Tag)

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Catalog Number: Eg9093

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse RAB5A protein Met1-Asn215 (Accession# Q9CQD1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
271457

Accession:
Q9CQD1

Predicted Molecular Mass:
49.2 kDa

SDS-PAGE:
48-54 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

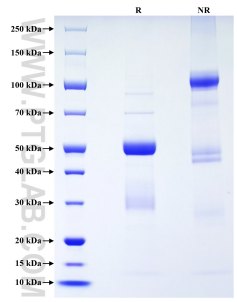
RAB5A is a core member of the Rab family within the Ras superfamily of small GTPases and a marker protein for early endosome formation. Localized in the cell membrane and early endosome membrane, RAB5A acts as a molecular switch regulating the docking and fusion of endocytic vesicles, making it a key regulator of the endocytic pathway.

References

1. Itoh, Takashi et al. Genes to cells : devoted to molecular & cellular mechanisms vol. 11,9 (2006): 1023-37.
2. Barbosa, M D et al. Mammalian genome : official journal of the International Mammalian Genome Society vol. 7,2
3. Cong, Xiao Xia et al. Cell death and differentiation vol. 27,8 (2020): 2344-2362.

Synonyms

Selected Validation Data



Purity of Recombinant Mouse RAB5A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

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