

Recombinant Human Ras-related protein Rab-5A(RAB5A)

Catalog No: #AP70695

Package Size: #AP70695-1 20ug #AP70695-2 100ug #AP70695-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Ras-related protein Rab-5A(RAB5A)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-215aaSequence Info:Full Length
Accession No.	P20339
Calculated MW	39.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MASRGATRPNGPNTGNKICQFKLVLLGESAVGKSSLVLRVKGQFHEFQESTIGAAFLTQTVCLDDTTVKFEI WDTAGQERYHSLAPMYRGAQAAIVVYDITNEESFARAKNWWKELQRQASPNIIVIALSGNKADLANKRAVDF QEAQSYADDNSLLFMETSAKTSMTNVNEIFMAIAKKLPKNEPQNPGANSARGRGVDLTEPTQPTRNQCCSN
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

The small GTPases Rab are key regulators of intracellular mbrane trafficking, from the formation of transport vesicles to their fusion with mbranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to mbranes different sets of downstream effectors directly responsible for vesicle formation, movent, tethering and fusion. RAB5A is required for the fusion of plasma mbranes and early endosomes. Contributes to the regulation of filopodia extension.

References

Rab1a and Rab5a preferentially bind to binary lipid compositions with higher stored curvature elastic energy.Kirsten M.L., Baron R.A., Seabra M.C., Ces O.Mol. Membr. Biol. 30:303-314(2013)Research Topic:Developmental Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.