

Recombinant human Membrane-associated phosphatidylinositol transfer protein 1

Catalog No: #AP71746

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Package Size: #AP71746-1 20ug #AP71746-2 100ug #AP71746-3 1mg

Description

Product Name	Recombinant human Membrane-associated phosphatidylinositol transfer protein 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-238aaSequence Info:Partial
Other Names	Drosophila retinal degeneration B homologPhosphatidylinositol transfer protein, membrane-associated 1 ;PITPnm 1;Pyk2 N-terminal domain-interacting receptor 2 ;NIR-2
Accession No.	O00562
Uniprot	O00562
GeneID	9600;
Calculated MW	54.5 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MLIKEYHILLPMSLDEYQVAQLYMIQKKSREESSGEGSGVEILANRPYTDGPGGSGQYTHKVYHVGSHIPGWF RALLPKAALQVEEESWNAYPYTRTRYTCPFVEKFSIEIETYLLPDGGQQPNVFNLSGAERRQRILDTIDIVRDAV APGEYKAEEDPRLYHSVKTGRGPLSDDWARTAAQTGPLMCAYKLCCKVEFRYWGMAKIEQFIHDVGLRRVM LRAHRQAWCWQDEWTELSM
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

Regulates RHOA activity, and plays a role in cytoskeleton remodeling. Necessary for normal completion of cytokinesis. Plays a role in maintaining normal diacylglycerol levels in the Golgi apparatus. Binds phosphatidyl inositol phosphates (in vitro). May catalyze the transfer of phosphatidylinositol and phosphatidylcholine between membranes. Necessary for maintaining the normal structure of the endoplasmic reticulum and the Golgi apparatus. Required for protein export from the endoplasmic reticulum and the Golgi. Binds calcium ions.4 Publications

References

Human chromosome 11 DNA sequence and analysis including novel gene identification.Taylor T.D., Noguchi H., Totoki Y., Toyoda A., Kuroki Y., Dewar K., Lloyd C., Itoh T., Takeda T., Kim D.-W., She X., Barlow K.F., Bloom T., Bruford E., Chang J.L., Cuomo C.A., Eichler E., FitzGerald M.G. , Jaffe D.B., LaButti K., Nicol R., Park H.-S., Seaman C., Sougnez C., Yang X., Zimmer A.R., Zody M.C., Birren B.W., Nusbaum C., Fujiyama A., Hattori M., Rogers J., Lander E.S., Sakaki Y.Nature 440:497-500(2006)Research Topic:Transport

Note: This product is for in vitro research use only