Recombinant Homo sapiens Probable G-protein coupled receptor 75

Catalog No: #AP72581

Package Size: #AP72581-1 20ug #AP72581-2 100ug #AP72581-3 1mg

Orders: order@signalwayantibody.com
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Description

Product Name	Recombinant Homo sapiens Probable G-protein coupled receptor 75
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:372-540aaSequence Info:Cytoplasmic Domain
Accession No.	O95800
Uniprot	O95800
GeneID	10936;
Calculated MW	20.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	NPFIYSRNSAGLRRKVLWCLQYIGLGFFCCKQKTRLRAMGKGNLEVNRNKSSHHETNSAYMLSPKPQKKFVD QACGPSHSKESMVSPKISAGHQHCGQSSSTPINTRIEPYYSIYNSSPSQEESSPCNLQPVNSFGFANSYIAMH YHTTNDLVQEYDSTSAKQIPVPSV
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

G protein-coupled receptor that is activated by the chemokine CCL5,RANTES. Probably coupled to heterotrimeric Gq proteins, it stimulates inositol trisphosphate production and calcium mobilization upon activation. Together with CCL5,RANTES, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. CCL5,RANTES may also regulate insulin secretion by pancreatic islet cells through activation of this receptor

References

"The novel chemokine receptor, G-protein-coupled receptor 75, is expressed by islets and is coupled to stimulation of insulin secretion and improved glucose homeostasis."Liu B., Hassan Z., Amisten S., King A.J., Bowe J.E., Huang G.C., Jones P.M., Persaud S.J.Diabetologia 56:2467-2476(2013)Research Topic:Signal Transduction

Note: This product is for in vitro research use only