

Recombinant human G-protein coupled receptor 161

Catalog No: #AP71844



Package Size: #AP71844-1 20ug #AP71844-2 100ug #AP71844-3 1mg

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Description

Product Name	Recombinant human G-protein coupled receptor 161
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-28aaSequence Info:Partial
Other Names	G-protein coupled receptor RE2
Accession No.	Q8N6U8
Uniprot	Q8N6U8
GeneID	23432;
Calculated MW	30 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MSLNSSLSCRKELSNLTEEGGEGGVII
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

Key negative regulator of Shh signaling, which promotes the processing of GLI3 into GLI3R during neural tube development. Recruited by TULP3 and the IFT-A complex to primary cilia and acts as a regulator of the PKA-dependent basal repression machinery in Shh signaling by increasing cAMP levels, leading to promote the PKA-dependent processing of GLI3 into GLI3R and repress the Shh signaling. In presence of SHH, it is roved from primary cilia and is internalized into recycling endosomes, preventing its activity and allowing activation of the Shh signaling. Its ligand is unknown .

References

Isolation of cDNA coding for G-protein coupled receptor RE2.Warren C.N., Aronstam R.S., Sharma S.V. Identification of a novel G-protein coupled receptor expressed in distinct brain regions and a defined olfactory zone.Raming K., Konzelmann S., Breer H.Recept. Channels 6:141-151(1998)Research Topic:Signal Transduction

Note: This product is for in vitro research use only