

Recombinant Homo sapiens Leucine-rich repeat-containing G-protein coupled receptor 5

Catalog No: #AP72647

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Package Size: #AP72647-1 20ug #AP72647-2 100ug #AP72647-3 1mg

Description

Product Name	Recombinant Homo sapiens Leucine-rich repeat-containing G-protein coupled receptor 5
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:22-561aaSequence Info:Partial
Other Names	G-protein coupled receptor 49G-protein coupled receptor 67G-protein coupled receptor HG38
Accession No.	O75473
Uniprot	O75473
GeneID	8549;
Calculated MW	62.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	GSSPRSGVLLRGCPHCHCEPDGRMLLRVDCSDLGLSELPSNLSVFTSYLDLSMNNISQLLPNPLSLRFLLEE LRLAGNALTYPKGAFTGLYSLKVLMLQNNQLRHVPTEALQNLRSLSLRLDANHISYVPPSCFSGLHSLRHLW LDDNALTEIPVQAFRSLQAMTLALNKIHHIPDYAFGNLSSLVVHLHNNRIHSLGKKCFDGLHSLETLDLNY NNLDEFPTAIRTLNLKELGFHSNNIRSIPEKAFVGNPSLTIHFYDNPIQFVGRSAFQHLPELRTLTLNGASQITE FPDLTG TANLES LTLTGAQISSLPQTVCNQLPNLQVLDLSYNLLEDLPFSVCQKLKIDLRHNEIYEIKVDTFQ QLLSLRSLNLAWNKIAIHPNAFSTLPSLIKLDLSSNLLSSFPITGLHGLTHLKL TGNHALQSLISSENFPELKVIE PYAYQCCAFGVCENAYKISNQWNKGDNSSMDDLHKK DAGMFAQQDERDLEDFLLDFEEDLKALHSVQCSPS PGPFKPCHELLDGWLIR
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

Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a st cell marker of the intestinal epithelium and the hair follicle. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by Extracellular domain Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. In contrast to classical G-protein coupled receptors, does not activate heterotrimeric G-proteins to transduce the signal. Involved in the development and/or maintenance of the adult intestinal st cells during postbryonic development.

References

Identification and cloning of an orphan G protein-coupled receptor of the glycoprotein hormone receptor subfamily.McDonald T., Wang R., Bailey W.,

Note: This product is for in vitro research use only