GPR21 Human Protein

PRODUCT OVERVIEW

Product Name	GPR21, Protein
Full Product Name	Human GPR21-Strep full length protein-synthetic nanodisc
Product Gene Name	GPR21 protein
Product Synonym Names	Probable G-protein coupled receptor 21
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with pH lower
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	39,515 Da
OMIM	601909
3D Structure	ModBase 3D Structure for Q99679
Tag	C-DYKDDDDK&Strep
Product Categories/Family for GPR21 protein	GPCRDB Class A Rhodopsin-like
Related Product Information for GPR21 protein	This gene encodes a member of the G-protein-coupled receptor 1 family. G-protein coupled receptors are membrane proteins which activate signaling cascades as a response to extracellular stress. The encoded protein activates a Gq signal transduction pathway which mobilizes calcium. [provided by RefSeq, Nov 2012]
Other Notes	Small volumes of GPR21 protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GPR21 purchase	MBS1883457 is a protein targeting GPR21. Also known as Human GPR21-Strep full length protein-synthetic nanodisc. Host: HEK293.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPR21. It may not necessarily be applicable to this product.

NCBI GI #	4885307
NCBI GeneID	2844
NCBI Accession #	NP_005285.1
UniProt Primary Accession #	Q99679
UniProt Secondary Accession #	Q6NXU2; B2R8W9
UniProt Related Accession #	Q99679
GenBank Nucleotide #	NM_005294.2
NCBI Official Full Name	probable G-protein coupled receptor 21

NCBI Official Synonym Full Names	G protein-coupled receptor 21
NCBI Official Symbol	GPR21
UniProt Protein Name	Probable G-protein coupled receptor 21
Protein Family	Probable G-protein coupled receptor
UniProt Gene Name	GPR21
UniProt Entry Name	GPR21_HUMAN
NCBI Protein Information	probable G-protein coupled receptor 21
UniProt Comments for GPR21	GPR21: Orphan receptor. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 9q33 Cellular Component: integral to plasma membrane Molecular Function: G-protein coupled receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; negative regulation of insulin receptor signaling pathway; positive regulation of multicellular organism growth; glucose homeostasis
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