GPR15 Human Protein

PRODUCT OVERVIEW

Product Name	GPR15, Protein
Full Product Name	Human GPR15-Strep full length protein-synthetic nanodisc
Product Gene Name	GPR15 protein
Product Synonym Names	BOB
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	40,787 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (98250878..98251960). Location: 3q11.2-q13.1
OMIM	601166
3D Structure	ModBase 3D Structure for P49685
Tag	C-DYKDDDDK&Strep
Product Categories/Family for GPR15 protein	GPCRDB Class A Rhodopsin-like
Related Product Information for GPR15 protein	This gene encodes a G protein-coupled receptor that acts as a chemokine receptor for human immunodeficiency virus type 1 and 2. The encoded protein localizes to the cell membrane. [provided by RefSeq, Nov 2012]
Other Notes	Small volumes of GPR15 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 GPR15 purchase	MBS1883453 is a protein targeting GPR15. Also known as Human GPR15-Strep full length protein-synthetic nanodisc. Host: HEK293.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPR15. It may not necessarily be applicable to this product.

NCBI GI #	4885299
NCBI GeneID	2838
NCBI Accession #	NP_005281.1
UniProt Primary Accession #	P49685
UniProt Secondary Accession #	Q3MIL4; Q6ISN6
UniProt Related Accession #	P49685
GenBank Nucleotide #	NM_005290.2
NCBI Official Full Name	G-protein coupled receptor 15

NCBI Official Synonym Full Names	G protein-coupled receptor 15
NCBI Official Symbol	GPR15
NCBI Official Synonym Symbols	BOB
UniProt Protein Name	G-protein coupled receptor 15
UniProt Synonym Protein Names	Brother of Bonzo
Protein Family	G-protein coupled receptor
UniProt Gene Name	GPR15
UniProt Synonym Gene Names	BoB
UniProt Entry Name	GPR15_HUMAN
NCBI Protein Information	G-protein coupled receptor 15; brother of Bonzo
UniProt Comments for GPR15	GPR15: Probable chemokine receptor. Alternative coreceptor with CD4 for HIV-1 infection. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; GPCR, family 1; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 3q11.2-q13.1 Cellular Component: integral to plasma membrane Molecular Function: G-protein coupled receptor activity Biological Process: G-protein coupled receptor protein signaling pathway
Research Articles on GPR15	**1.** C-terminal membrane-proximal basic residues have a role in cell surface trafficking of HIV coreceptor GPR15 protein
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