OR8B8 Human Protein

PRODUCT OVERVIEW

Product Name	OR8B8, Protein
Full Product Name	Human OR8B8-Strep full length protein-synthetic nanodisc
Product Gene Name	OR8B8 protein
Product Synonym Names	TPCR85
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	34,482 Da
3D Structure	ModBase 3D Structure for Q15620
Tag	C-DYKDDDDK&Strep
Product Categories/Family for OR8B8 protein	GPCRDB Class A Rhodopsin-like
Related Product Information for OR8B8 protein	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of OR8B8 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 OR8B8 purchase	MBS1883582 is a protein targeting OR8B8. Also known as Human OR8B8-Strep full length protein-synthetic nanodisc. Host: HEK293.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR8B8. It may not necessarily be applicable to this product.

NCBI GI #	28570170
NCBI GeneID	26493
NCBI Accession #	NP_036510.1
UniProt Primary Accession #	Q15620
UniProt Secondary Accession #	Q96RC8; A1L446
UniProt Related Accession #	Q15620
GenBank Nucleotide #	NM_012378.1

NCBI Official Full Name	olfactory receptor 8B8
NCBI Official Synonym Full Names	olfactory receptor, family 8, subfamily B, member 8
NCBI Official Symbol	OR8B8
NCBI Official Synonym Symbols	TPCR85
UniProt Protein Name	Olfactory receptor 8B8
UniProt Synonym Protein Names	Olfactory receptor TPCR85; Olfactory-like receptor JCG8
Protein Family	Olfactory receptor
UniProt Gene Name	OR8B8
UniProt Entry Name	OR8B8_HUMAN
NCBI Protein Information	olfactory receptor 8B8; olfactory receptor TPCR85; olfactory receptor OR11-316; olfactory-like receptor JCG8
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