OR10A2 Human Protein

PRODUCT OVERVIEW

Product Name	OR10A2, Protein
Full Product Name	Human OR10A2 full length protein-synthetic nanodisc
Product Gene Name	OR10A2 protein
Product Synonym Names	OR10A2P; OR11-82; OR11-86; OST363
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.
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).
Molecular Weight	33,817 Da
3D Structure	ModBase 3D Structure for Q9H208
Product Categories/Family for OR10A2 protein	FLP 489; Full Length Transmembrane Proteins
Related Product Information for OR10A2 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 OR10A2 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 OR10A2 purchase	MBS1880140 is a protein targeting OR10A2. Also known as Human OR10A2 full length protein-synthetic nanodisc. Host: HEK293.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR10A2. It may not necessarily be applicable to this product.

NCBI GI #	52317178
NCBI GeneID	341276
NCBI Accession #	NP_001004460.1
UniProt Primary Accession #	Q9H208
UniProt Secondary Accession #	Q6IFG9; B2RNL9
UniProt Related Accession #	Q9H208
GenBank Nucleotide #	NM_001004460.1
NCBI Official Full Name	olfactory receptor 10A2
NCBI Official Synonym Full Names	olfactory receptor, family 10, subfamily A, member 2

NCBI Official Symbol	OR10A2
NCBI Official Synonym Symbols	OST363; OR10A2P; OR11-82; OR11-86
UniProt Protein Name	Olfactory receptor 10A2
UniProt Synonym Protein Names	HP4; Olfactory receptor OR11-86
Protein Family	Olfactory receptor
UniProt Gene Name	OR10A2
UniProt Synonym Gene Names	OR10A2P
UniProt Entry Name	O10A2_HUMAN
NCBI Protein Information	olfactory receptor 10A2; hP4 olfactory receptor; olfactory receptor OR11-86; olfactory receptor OR11-82 pseudogene; olfactory receptor, family 10, subfamily A, member 2 pseudogene
Research Articles on OR10A2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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