OR2H2 Human Protein

PRODUCT OVERVIEW

Product Name	OR2H2, Protein
Full Product Name	Human OR2H2-Strep full length protein-synthetic nanodisc
Product Gene Name	OR2H2 protein
Product Synonym Names	FAT11; OLFR2; OLFR42B; OR2H3; dJ271M21.2; hs6M1-12
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	The human full length OR2H2-Strep protein has a MW of 34.8kDa
3D Structure	ModBase 3D Structure for O95918
Tag	C-DYKDDDDK&Strep
Product Categories/Family for OR2H2 protein	GPCRDB Class A Rhodopsin-like
Related Product Information for OR2H2 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 OR2H2 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 OR2H2 purchase	MBS1883569 is a protein targeting OR2H2. Also known as Human OR2H2-Strep full length protein-synthetic nanodisc. Host: HEK293.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2H2. It may not necessarily be applicable to this product.

UniProt Primary Accession #	O95918
Protein Family	Olfactory receptor
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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