Olfactory Receptor 2f1 (OR2F1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Olfactory receptor 2F1 (OR2F1), Recombinant Protein
Full Product Name	Recombinant Human Olfactory receptor 2F1 (OR2F1), partial
Product Gene Name	OR2F1 recombinant protein
Product Synonym Gene Name	OR2F1
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	35,350 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	608497
3D Structure	ModBase 3D Structure for Q13607
Species	Homo sapiens (Human)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for OR2F1 recombinant protein	MBS7073876 is a recombinant protein targeting OR2F1. Also known as Recombinant Human Olfactory receptor 2F1 (OR2F1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of OR2F1 recombinant 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2F1. It may not necessarily be applicable to this product.

NCBI GI #	92110013
NCBI GeneID	26211
NCBI Accession #	NP_036501.2
UniProt Primary Accession #	Q13607
UniProt Secondary Accession #	Q6IFP7; Q96R49; Q9UDX1; A4D2G1
UniProt Related Accession #	Q13607
GenBank Nucleotide #	NM_012369.2
NCBI Official Full Name	olfactory receptor 2F1

NCBI Official Synonym Full Names	olfactory receptor family 2 subfamily F member 1 (gene/pseudogene)
NCBI Official Symbol	OR2F1
NCBI Official Synonym Symbols	OLF3; 7M1-2; OR2F3; OR2F4; OR2F5; OR2F3P; OR14-60; OR7-139; OR7-140
UniProt Protein Name	Olfactory receptor 2F1
UniProt Synonym Protein Names	Olfactory receptor 2F3; Olfactory receptor 2F4; Olfactory receptor 2F5; Olfactory receptor-like protein OLF3
Protein Family	Olfactory receptor
UniProt Gene Name	OR2F1
UniProt Synonym Gene Names	OLF3; OR2F3; OR2F3P; OR2F4; OR2F5
NCBI Protein Information	olfactory receptor 2F1
NCBI Summary for OR2F1	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. This olfactory receptor gene is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding a protein that is predicted to be non-functional. [provided by RefSeq, Jun 2015]
UniProt Comments for OR2F1	Odorant 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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