OR2D2 Blocking Peptide

PRODUCT OVERVIEW

Product Name	OR2D2, Blocking Peptide
Full Product Name	OR2D2 Blocking Peptide
Product Gene Name	OR2D2 blocking peptide
Product Synonym Names	Hb2; Olfactory receptor 11-610; Olfactory receptor 2D1; Olfactory receptor 2D2; Olfactory receptor OR11-88; olfactory receptor, family 2, subfamily D, member 2; OR11-610; OR2D2; OR2D2_HUMAN
Antibody/Peptide Pairs	OR2D2 peptide (MBS9632905) is used for blocking the activity of OR2D2 antibody (MBS9630522)
Molecular Weight	34,172 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (6912805..6913731, complement). Location: 11p15.4
OMIM	608494
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for OR2D2 blocking peptide	MBS9632905 is a blocking peptide targeting OR2D2.
Other Notes	Small volumes of OR2D2 blocking peptide 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 OR2D2. It may not necessarily be applicable to this product.

NCBI GI #	50053006
NCBI GeneID	120776
NCBI Accession #	NP_003691.1
UniProt Primary Accession #	Q9H210
UniProt Secondary Accession #	O95224; Q6IF28; Q8NGH4; Q96R52; B9EIL5
UniProt Related Accession #	Q9H210
GenBank Nucleotide #	NM_003700.1
NCBI Official Full Name	olfactory receptor 2D2
NCBI Official Synonym Full Names	olfactory receptor, family 2, subfamily D, member 2
NCBI Official Symbol	OR2D2
NCBI Official Synonym Symbols	hg27; OR2D1; OR11-610
UniProt Protein Name	Olfactory receptor 2D2
UniProt Synonym Protein Names	HB2; Olfactory receptor 11-610; OR11-610; Olfactory receptor 2D1; Olfactory receptor OR11-88
Protein Family	Olfactory receptor

UniProt Gene Name	OR2D2
UniProt Synonym Gene Names	OR2D1; OR11-610
UniProt Entry Name	OR2D2_HUMAN
NCBI Protein Information	olfactory receptor 2D2; HB2; olfactory receptor 2D1; olfactory receptor 11-610; olfactory receptor OR11-88; olfactory receptor, family 2, subfamily D, member 1
NCBI Summary for OR2D2	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]
UniProt Comments for OR2D2	OR2D2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Receptor, GPCR; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 11p15.4 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; sensory perception of smell; detection of chemical stimulus involved in sensory perception of smell
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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