OR2M2 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	OR2M2, Blocking Peptide
Full Product Name	OR2M2 Peptide - C-terminal region
Product Gene Name	OR2M2 blocking peptide
Product Synonym Gene Name	OR2M2Q; OST423
Sequence	Synthetic peptide located within the following region: DKMVSVFYTI LTPMLNPLIY SLRNKEVTRA FMKILGKGKS ESELPHKLYV
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	OR2M2 peptide (MBS3243600) is used for blocking the activity of OR2M2 antibody (MBS3218708)
Molecular Weight	38kDa
Product Categories/Family for OR2M2 blocking peptide	Peptide
Applications Tested/Suitable for OR2M2 blocking peptide	Western Blot (WB)
Related Product Information for OR2M2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-OR2M2 Antibody, made Target Description: 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.
Other Notes	Small volumes of OR2M2 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.
Searchable Terms for OR2M2 purchase	MBS3243600 is a blocking peptide targeting OR2M2. Also known as OR2M2 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR2M2. It may not necessarily be applicable to this product.

NCBI GI #	52317204
NCBI GeneID	391194
NCBI Accession #	NP_001004688
UniProt Primary Accession #	Q96R28
UniProt Related Accession #	Q96R28

GenBank Nucleotide #	NM_001004688
NCBI Official Full Name	olfactory receptor 2M2
NCBI Official Synonym Full Names	olfactory receptor family 2 subfamily M member 2
NCBI Official Symbol	OR2M2
NCBI Official Synonym Symbols	OR2M2Q; OST423
UniProt Protein Name	Olfactory receptor 2M2
UniProt Synonym Protein Names	OST423
Protein Family	Olfactory receptor
UniProt Gene Name	OR2M2
UniProt Entry Name	OR2M2_HUMAN
NCBI Protein Information	olfactory receptor 2M2
NCBI Summary for OR2M2	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 OR2M2	OR2M2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; GPCR, family 1; Receptor, GPCR; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q44 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; detection of chemical stimulus involved in sensory perception of smell
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