OR5M3 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	OR5M3, Blocking Peptide
Full Product Name	OR5M3 Blocking Peptide
Product Gene Name	OR5M3 blocking peptide
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	OR5M3 peptide (MBS9627730) is used for blocking the activity of OR5M3 antibody (MBS9609018)
Molecular Weight	35,156 Da
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.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for OR5M3 blocking peptide	Blocking/Control
Related Product Information for OR5M3 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of OR5M3 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 OR5M3 purchase	MBS9627730 is a blocking peptide targeting OR5M3.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR5M3. It may not necessarily be applicable to this product.

NCBI GI #	334085245
NCBI GeneID	219482
NCBI Accession #	NP_001004742.2
UniProt Primary Accession #	Q8NGP4
UniProt Secondary Accession #	Q6IEW4; Q96RC0; B2RNM7
UniProt Related Accession #	Q8NGP4
GenBank Nucleotide #	NM_001004742.2
NCBI Official Full Name	olfactory receptor 5M3

NCBI Official Synonym Full Names	olfactory receptor, family 5, subfamily M, member 3
NCBI Official Symbol	OR5M3
NCBI Official Synonym Symbols	OR11-191
UniProt Protein Name	Olfactory receptor 5M3
UniProt Synonym Protein Names	Olfactory receptor OR11-191
Protein Family	Olfactory receptor
UniProt Gene Name	OR5M3
UniProt Entry Name	OR5M3_HUMAN
NCBI Protein Information	olfactory receptor 5M3
NCBI Summary for OR5M3	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]
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