

OR2J3 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP12012b

Specification

OR2J3 Blocking Peptide (C-term) - Product Information

Primary Accession

[O76001](#)

Other Accession

[NP_001005216.2](#)**OR2J3 Blocking Peptide (C-term) - Additional Information****Gene ID** 442186**Other Names**

Olfactory receptor 2J3, Hs6M1-3, Olfactory receptor OR6-16, OR6-6, Olfactory receptor 6-6, OR2J3

Target/Specificity

The synthetic peptide sequence is selected from aa 262-275 of HUMAN OR2J3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

OR2J3 Blocking Peptide (C-term) - Protein Information**Name** OR2J3**Function**

Odorant receptor involved in the detection of the flavor compound cis-3-hexen-1-ol (C3HEX), a compound typically described as 'green grassy' or the smell of 'cut grass'.

Cellular Location

Cell membrane; Multi-pass membrane protein.

OR2J3 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

OR2J3 Blocking Peptide (C-term) - Images

OR2J3 Blocking Peptide (C-term) - Background

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.

OR2J3 Blocking Peptide (C-term) - References

Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) : Menashe, I., et al. BMC Bioinformatics 7, 393 (2006) : Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004) Fuchs, T., et al. Genomics 80(3):295-302(2002) Glusman, G., et al. Genome Res. 11(5):685-702(2001)