

**OR1D5 Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP12013b

**Specification**

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**OR1D5 Blocking Peptide (C-term) - Product Information**

Primary Accession

[P58170](#)

Other Accession

[P47884](#), [NP\\_055381.1](#)**OR1D5 Blocking Peptide (C-term) - Additional Information****Gene ID** 8386**Other Names**

Olfactory receptor 1D5, Olfactory receptor 17-31, OR17-31, OR1D5

**Target/Specificity**

The synthetic peptide sequence is selected from aa 259-271 of HUMAN OR1D5

**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.

**OR1D5 Blocking Peptide (C-term) - Protein Information****Name** OR1D5**Function**

Odorant receptor.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**OR1D5 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

**OR1D5 Blocking Peptide (C-term) - Images**

### **OR1D5 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.

### **OR1D5 Blocking Peptide (C-term) - References**

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. Genomics 63(2):227-245(2000)  
Selbie, L.A., et al. Brain Res. Mol. Brain Res. 13 (1-2), 159-163 (1992) :