

Proteoliposomes

Full-Length

# OR4D1 (Human) Recombinant Protein

Catalog # H00026689-G01

Size 2 ug

## Specification

<b>Product Description</b>	Human OR4D1 full-length ORF (NP_036506.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
<b>Sequence</b>	MEPQNTTQVSMFVLLGFSQTQELQKFLFLLVYVTTMGNLLIMVTVTFDCRLHTPMYFLLRNAL IDLCYSTVTSPKMLVDLHETKTISYQGCMAQIFFHLLGGGTVFFLSVMAYDRYIAISQPLRYVTIMN TQLCVGLVVAAWVGGFVHSVQLALILPLFCGPNILDNFYCDVPQVLRRLACTDTSLLEFLMISNSG LLVIWFLLLLISYTVILVMLRSHSGKARRKAASTCTTHIVVSMIFPCMYTWPFTPFLMDKAVSISYTV MTPMLNPMIYTLRNQDMKAAMRRLGKCLVICRE
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	35.2
<b>Form</b>	Liquid
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system with proprietary liposome technology</a>
<b>Purification</b>	None
<b>Recommend Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Antibody Production

## Gene Info — OR4D1

Entrez GeneID	<a href="#">26689</a>
GeneBank Accession#	<a href="#">NM_012374.1</a>
Protein Accession#	<a href="#">NP_036506.1</a>
Gene Name	OR4D1
Gene Alias	OR17-23, OR4D3, OR4D4P, TPCR16
Gene Description	olfactory receptor, family 4, subfamily D, member 1
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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]
Other Designations	olfactory receptor OR17-23 pseudogene olfactory receptor, family 4, subfamily D, member 3 olfactory receptor, family 4, subfamily D, member 4 pseudogene seven transmembrane helix receptor

## Pathway

- [Olfactory transduction](#)

## Disease

- [Tobacco Use Disorder](#)