

Proteoliposomes

Full-Length

OR12D3 (Human) Recombinant Protein

Catalog # H00081797-G01

Size 2 ug

Specification

Product Description

Human OR12D3 full-length ORF (NP_112221.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MENVTTMNEFLLGLTGVQELQPFFFGIFLIIMLINLIGNGSILVMVVLEPQLHSPMYFFLGNLSCLDIS
YSSVTLPKLLVNLVCSRRAISFLGCITQLHFFHFLGSTAILLAIMAFDRFVAICNPLRYTVIMNPQVCI
LLAAAALWISFFYALMHSVMTAHLSCGSGKLNHFFYDVKPLLELACSDTLNQWLLSVTGSISM
GAFFLTLLSCFYVIGFLLFKNRSCRILHKALSTCASHFMVVCLFYGPVGFYIRPASATSMIQDRIMAI
MYSAVTPVLNPLIYTLRNKEVMMALKKIFGRKLFKDWQQHH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

35.8

Interspecies Antigen Sequence

Mouse (79); Rat (78)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — OR12D3

Entrez GeneID [81797](#)

GeneBank Accession# [NM_030959.2](#)

Protein Accession# [NP_112221.1](#)

Gene Name OR12D3

Gene Alias MGC119267, MGC125888, hs6M1-27

Gene Description olfactory receptor, family 12, subfamily D, member 3

Gene Ontology [Hyperlink](#)

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 OTTHUMP00000029057|olfactory receptor OR6-27

Pathway

- [Olfactory transduction](#)

Disease

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)