

Proteoliposomes

Full-Length

OR2M4 (Human) Recombinant Protein

Catalog # H00026245-G01

Size 2 ug

Specification

Product Description	Human OR2M4 full-length ORF (NP_059974.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MVWENQTFNSIFILLGIFNHSPHTFLFSLVLGIFSLALMENISMVLLMEKQLHTPMYFLLSQLSLMD LMLICTTLPKMIFSLSGKKKSLAGCGTQIFFYVSLGAECLLAVMAYDRYVAICHPLQYILMNPK LCVFMTVASWTLGSLDGIVLAAVLFSFYCSSLEIHFFCDVAALLPLSCTETSAFERLLVICCVVM LIFPVSIVLSYSHVLRVIVHMGSGESRRKAFTTCSSHLSVVGLYYGAAMFMYMRPASKHTPDQDK MVSAFYILTPLNPLIYSLRNKEVFRLQKVLKKRKL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.1
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 — OR2M4

Entrez GeneID	26245
GeneBank Accession#	NM_017504.1
Protein Accession#	NP_059974.1
Gene Name	OR2M4
Gene Alias	HSHTPCR18, HTPCR18, OR1-55, OST710, TPCR100
Gene Description	olfactory receptor, family 2, subfamily M, member 4
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	OTTHUMP00000038273 novel 7 transmembrane receptor (rhodopsin family) protein olfactory receptor OR1-55

Pathway

- [Olfactory transduction](#)