

Proteoliposomes

Full-Length

## OR2W3 (Human) Recombinant Protein

Catalog # H00343171-G01

Size 2 ug

### Specification

**Product Description**

Human OR2W3 full-length ORF (NP\_001001957.2) recombinant protein without tag.  
This product is belong to Proteoliposome (PL).

**Sequence**

MDGTNGSTQTHFILLGFSDRPHLERILFVVILAIYLLTLVGNTTILVSRLDPHLHTPMYFFLAHLSFLDL  
SFTTSSIPQLLYNLNGCDKTISYMGCAIQLFLFLGLGGVECLLLAVMAYDRCVAICKPLHYMVIMNPR  
LCRGLVSVTWGCGVANSLAMSPVTLRLPRCGHHEVDHFLREMPALIRMACVSTVAIEGTVFVLA  
VGVVLSPLVFILLSYSYVRAVLQIRSASGRQKAFGTCGSHLTVVSLFYGNIMYMQPGASSSQDQ  
GMFLMLFYNIVTPLLNPLYTLRNREVKGALGRLLL GKRELGKE

**Host**

Wheat Germ (in vitro)

**Theoretical MW (kDa)**

34.8

**Interspecies Antigen Sequence**

Mouse (84); Rat (83)

**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 — OR2W3

**Entrez GeneID** [343171](#)

**GeneBank Accession#** [NM\\_001001957.2](#)

**Protein Accession#** [NP\\_001001957.2](#)

**Gene Name** OR2W3

**Gene Alias** OR2W3P, OR2W8P, OST718

**Gene Description** olfactory receptor, family 2, subfamily W, 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** OTTHUMP00000038055|olfactory receptor OR1-49|olfactory receptor, family 2, subfamily W, member 3 pseudogene|olfactory receptor, family 2, subfamily W, member 8 pseudogene

## Pathway

- [Olfactory transduction](#)