

Proteoliposomes

Full-Length

OR3A1 (Human) Recombinant Protein

Catalog # H00004994-G01

Size 2 ug

Specification

Product Description	Human OR3A1 full-length ORF (NP_002541.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MQPESGANGTVIAEFILLGLLEAPGLQPVVFLFLFAYLVTVRGNLSILAAVLVEPKLHTPMYFFLG NLSVLDVGCISVTVPSMLSRLLSRKRAVPCGACLTQLFFFHLFVGVDCLLTAMAYDQFLAICRPL TYSTRMSQTVQRMLVAASWACAFTNALHTVAMSTLNFCGPNVINHFYCDLPQLFQLSCSSTQLN ELLFVAVGFIMAGTPMALVISYIHVAAAVALRIRSVVEGRKKAFSTCGSHLTVVAIFYGSGIFNYMRLGS TKLSDKDKAVGIFNTVINPMLNPIIYSFRNPDVQSAIWRMLTGRRSLA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.6
Interspecies Antigen Sequence	Mouse (83); Rat (84)
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 — OR3A1

Entrez GeneID [4994](#)

GeneBank Accession# [NM_002550.1](#)

Protein Accession# [NP_002541.1](#)

Gene Name OR3A1

Gene Alias OLFRA03, OR17-40, OR17-82, OR40

Gene Description olfactory receptor, family 3, subfamily A, member 1

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 OTTHUMP00000115801|olfactory receptor OR17-15

Pathway

- [Olfactory transduction](#)