

Full-Length

# OR1Q1 (Human) Recombinant Protein (P01)

Catalog # H00158131-P01

Size 25 ug, 10 ug

## Applications

## Specification

Product Description	Human OR1Q1 full-length ORF ( NP_036496.1, 1 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDNSNWTSVSHFVLLGISTHPEEQIPLFLVFSLMYAINISGNLAITLILSAPRLHIPMYIFLSNLALTDIC FTSTTVPKMLQIIFSPTKVISYTGCLAQTYFFICFAVMENFILAVMAYDRYAICHFPFHYTMILTRMLCVK MVVMCHALSHLHAMLHTFLIGQLIFCADNRIPHFFCDLYALMKISCTSTYLNTLMIHTEGAVVISGAL AFITASYACIILVVLRIIPSAKGRWKTFTSCGSHLTVVAIFYGTLSWWYFRPLSSYSVTKGRIITVVYTVV TPMLNPFIYSLRNGDVKGGFMKWMSRMQTFFFR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	62
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — OR1Q1

Entrez GeneID [158131](#)

GeneBank Accession# [NM\\_012364.1](#)

Protein Accession# [NP\\_036496.1](#)

Gene Name OR1Q1

Gene Alias HSTPCR106, OR1Q2, OR1Q3, OR9-25, OR9-A, OST226, OST226OR9-A, TPCR106

Gene Description olfactory receptor, family 1, subfamily Q, 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** OTTHUMP00000022060|olfactory receptor, family 1, subfamily Q, member 2|olfactory receptor, family 1, subfamily Q, member 3

## Pathway

- [Olfactory transduction](#)