

Full-Length

OR10G9 (Human) Recombinant Protein (P01)

Catalog # H00219870-P01

Size 25 ug, 10 ug

Applications

Specification

| | |
|-------------------------|---|
| Product Description | Human OR10G9 full-length ORF (NP_001001953.1, 1 a.a. - 311 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | MSKTSLVTAFILTGLPHAPGLDAPLFGIFLVVYVLTVLGNLLILLVIRVDSHLHTPMYYFLTNLSTFIDM WFSTVTPKMLMTLVSPSGRAISFHSCVAQLYFFHFLGSTECFLYTVMSYDRYLAISYPLRYTSMM SGSRCALLATSTWLSGSLHSAVQTLTFHLPYCGPNQIQHYLCDAPPILKLACADTSANEMVIFVDI GLVASGCFLLMVLSYVSMVCSILRIHTSEGRHRAFQTCASHCMVLCFFVPCVFMYLRPGSRDVEDGV VAIFYTVLTPLLNPVVYTLRNKEVKKAVLKLRDKVAHSQGE |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 61 |
| Preparation Method | in vitro wheat germ expression system |
| 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 — OR10G9

Entrez GeneID [219870](#)

GeneBank Accession# [NM_001001953.1](#)

Protein Accession# [NP_001001953.1](#)

Gene Name OR10G9

Gene Alias OR10G10P

Gene Description olfactory receptor, family 10, subfamily G, member 9

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 olfactory receptor OR11-272

Pathway

- [Olfactory transduction](#)