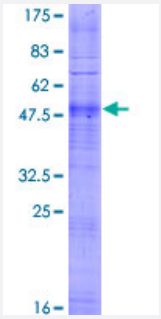
Full-Length

OR4D1 (Human) Recombinant Protein (P01)

Catalog # H00026689-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human OR4D1 full-length ORF (NP_036506.1, 1 a.a. - 310 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEPQNTTQVSMFVLLGFSQTQELQKFLFLLFLLVYVTTIVGNLLIMVTVTFDCRLHTPMYFLLRNLAL IDLCYSTVTSPKMLVDFLHETKTISYQGCMAQIFFFHLLGGGTVFFLSVMAYDRYIAISQPLRYVTIMN TQLCVGLVVAAWVGGFVHSIVQLALILPLPFCGPNILDNFYCDVPQVLRLACTDTSLLEFLMISNSG LLVIIWFLLLLISYTVILVMLRSHSGKARRKAASTCTTHIIVVSMIFIPCIYIYTWPFTPFLMDKAVSISYTV MTPMLNPMIYTLRNQDMKAAMRRLGKCLVICRE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	61.6
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 — OR4D1

Entrez GeneID	26689
GeneBank Accession#	NM_012374.1
Protein Accession#	NP_036506.1
Gene Name	OR4D1
Gene Alias	OR17-23, OR4D3, OR4D4P, TPCR16
Gene Description	olfactory receptor, family 4, subfamily D, member 1
Gene Ontology	Hyperlink
Gene Summary	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response tha t 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 receptor s 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. T he 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. [provid ed by RefSeq
Other Designations	olfactory receptor OR17-23 pseudogene|olfactory receptor, family 4, subfamily D, member 3|olfac tory receptor, family 4, subfamily D, member 4 pseudogene|seven transmembrane helix receptor

Pathway

- Olfactory transduction

Disease

- Tobacco Use Disorder