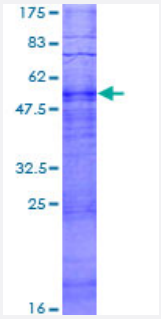
Full-Length

OR5U1 (Human) Recombinant Protein (P01)

Catalog # H00442191-P01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human OR5U1 full-length ORF (NP_112208.1, 1 a.a. - 321 a.a.) recombinant protein with GST-tag a t N-terminal.
Sequence	MVNLTSMSGFLLMGFSDERKLQILHALVFLVTYLLALTGNLLIITIITVDRRLHSPMYYFLKHLSLLDLC FISVTVPQSIANSLMGNGYISLVQCILQVFFFIALASSEVAILTVMSYDRYAAICQPLHYETIMDPRAC RHAVIAVWIAGGLSGLMHAAINFSIPLCGKRVIHQFFCDVPQMLKLACSYEFINEIALAAFTTSAAFIC LISIVLSYIRIFSTVLRIPSAEGRTKVFSTCLPHLFVATFFLSAAGFEFLRLPSDSSSTVDLVFSVFYTV IPPTLNPVIYSLRNDSMKAALRKMLSKEELPQRKMCLKAMFKL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	62.3
Interspecies Antigen Sequence	Mouse (80); Rat (80)
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 — OR14J1

Entrez GeneID	442191
GeneBank Accession#	NM_030946.1
Protein Accession#	NP_112208.1
Gene Name	OR14J1
Gene Alias	OR5U1, OR6-25, bA150A6.4, hs6M1-28
Gene Description	olfactory receptor, family 14, subfamily J, 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	OTTHUMP00000029265|olfactory receptor OR6-25|olfactory receptor, family 5, subfamily U mem ber 1|olfactory receptor, family 5, subfamily U, member 1

Pathway

- Olfactory transduction

Disease

- Genetic Predisposition to Disease
- Lupus Erythematosus