Proteoliposomes | Full-Length

OR5V1 (Human) Recombinant Protein

Catalog # H00081696-G01 Size 2 ug

Specification

Product Description	Human OR5V1 full-length ORF (NP_110503.3) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MERKNQTAITEFIILGFSNLNELQFLLFTIFFLTYFCTLGGNILIILTTVTDPHLHTPMYYFLGNLAFIDICY TTSNVPQMMVHLLSKKKSISYVGCVVQLFAFVFFVGSECLLLAAMAYDRYIAICNPLRYSVILSKVL CNQLAASCWAAGFLNSVVHTVLTFCLPFCGNNQINYFFCDIPPLLILSCGNTSVNELALLSTGVFIG WTPFLCIVLSYICIISTILRIQSSEGRRKAFSTCASHLAIVFLFYGSAIFTYVRPISTYSLKKDRLVSVLYS VVTPMLNPIIYTLRNKDIKEAVKTIGSKWQPPISSLDSKLTY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.1
Interspecies Antigen Sequence	Mouse (82); Rat (81)
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 — OR5V1

Entrez GeneID	81696
GeneBank Accession#	NM_030876.4
Protein Accession#	NP_110503.3
Gene Name	OR5V1
Gene Alias	6M1-21, hs6M1-21
Gene Description	olfactory receptor, family 5, subfamily V, 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	OTTHUMP00000029285|OTTHUMP00000108530|olfactory receptor OR6-26

Pathway

- Olfactory transduction

Disease

- Colitis
- Crohn Disease
- Disease Progression
- Genetic Predisposition to Disease
- HIV Infections
- Inflammatory Bowel Diseases
- Lupus Erythematosus

- Olfactory Perception