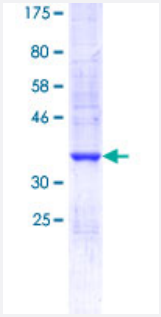
OR51E2 (Human) Recombinant Protein (Q01)

Catalog # H00081285-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human OR51E2 partial ORF (NP_110401.1, 221 a.a. - 320 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	IRTVLQLPSKSERAKAFGTCVSHIGVVLAFYVPLIGLSVVHRFGNSLHPIVRVVMGDIYLLLPPVINPII YGAKTKQIRTRVLAMFKISCDKDLQAVGGK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — OR51E2

Entrez GeneID	81285
GeneBank Accession#	NM_030774.2
Protein Accession#	NP_110401.1
Gene Name	OR51E2
Gene Alias	OR51E3P, OR52A2, PSGR
Gene Description	olfactory receptor, family 51, subfamily E, member 2
Omim ID	611268
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	OTTHUMP00000164514|olfactory receptor OR11-16|olfactory receptor, family 51, subfamily E, m ember 3 pseudogene|olfactory receptor, family 52, subfamily A, member 2|prostate specific G-pr otein coupled receptor

Pathway

- Olfactory transduction