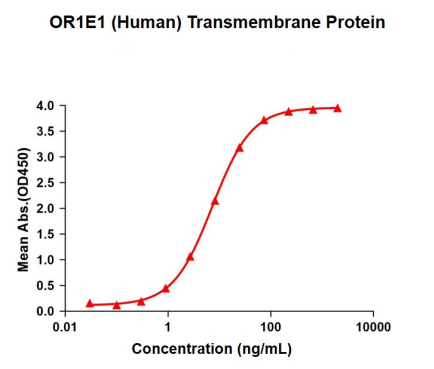
VLP/Nanodisc | Full-Length | HuPro®

OR1E1 (Human) Recombinant Protein

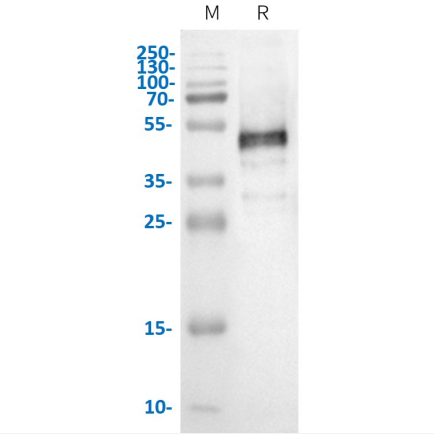
Catalog # P10883 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA plates were pre-coated with Flag Tag OR1E1-Nanodisc (0.2 ug/well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC_{50} for anti-Flag monoclonal antibody binding with OR1E1-Nanodisc is 7.304 ng/mL.



SDS-PAGE

WB analysis of Human OR1E1-Nanodisc with anti-Flag monoclonal antibody at 1/5000 dilution, followed by Goat Anti-Rabbit IgG HRP at 1/5000 dilution.

Specification

Product Description	Human OR1E1 (P30953, 1 a.a. - 314 a.a.) full-length recombinant protein-Nanodisc.
Sequence	MMGQNQTSISDFLLLGLPIQPEQQNLCYALFLAMYLTTLLGNLLIIVLIRLDSHLHTPMYLFLSNLSFS DLCFSSVTIPKLLQNMQNQDPSIPYADCLTQMYFFLLFGDLESFLLVAMAYDRYVAICFPLHYTAIM SPMLCLALVALSWVLTTFHAMLHTLLMARLCFCADNVIPHFFCDMSALLKLAFSDTRVNEWVIFIM GGLILVIPFLLILGSYARIVSSILKVPSSKGICKAFSTCGSHLSVVSLFYGTVIGLYLCSSANSSTLKDT VMAMMYTVVTPMLNPFIYSLRNRDMKGALSRVIHQKKTFFSL

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Host	Human
Theoretical MW (kDa)	35.3
Reactivity	Human
Form	Lyophilized
Conjugation	Unconjugated
Preparation Method	Mammalian cell (HEK293) expression system
Recommend Usage	ELISA SDS-PAGE
Storage Buffer	Lyophilized from 20 mM Tris-HCl, 150 mM NaCl, pH 8.0 (5% trehalose).
Storage Instruction	Store at -20°C to -80°C for 12 months. Aliquot to avoid repeated freezing and thawing.

Applications

- ### Enzyme-linked Immunoabsorbent Assay

  ELISA plates were pre-coated with Flag Tag OR1E1-Nanodisc (0.2 ug/well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC_{50} for anti-Flag monoclonal antibody binding with OR1E1-Nanodisc is 7.304 ng/mL.

- ### SDS-PAGE

  WB analysis of Human OR1E1-Nanodisc with anti-Flag monoclonal antibody at 1/5000 dilution, followed by Goat Anti-Rabbit IgG HRP at 1/5000 dilution.

Gene Info — OR1E1

Entrez GeneID	8387
Protein Accession#	P30953
Gene Name	OR1E1
Gene Alias	HGM071, OR13-66, OR17-2, OR17-32, OR1E5, OR1E6, OR1E8P, OR1E9P, OST547
Gene Description	olfactory receptor, family 1, subfamily E, member 1
Gene Ontology	Hyperlink

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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	OTTHUMP00000115802|olfactory receptor OR17-18|olfactory receptor OR17-4|olfactory recepto r, family 1, subfamily E, member 5|olfactory receptor, family 1, subfamily E, member 6|olfactory re ceptor, family 1, subfamily E, member 8 pseudogene|olfactory recept

Pathway

- Olfactory transduction

Disease

- Tobacco Use Disorder

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