PRODUCT INFORMATION

Target	OR2H1
Synonyms	6M1-16; dJ994E9.4; HS6M1-16; OLFR42A-9004-14; OLFR42A-9004.14/9026.2; OR2H6; OR2H8; OR6-2
Description	Human OR2H1 full length protein-MNP
Delivery	In Stock
Uniprot ID	Q9GZK4
Expression Host	HEK293
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Olfactory transduction
Molecular Weight	The human full length OR2H1 Protein has a MW of 35.3 kDa
Formulation & Reconstitution	Lyophilized from PBS. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that 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 receptors 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. The 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.
Usage	Research use only
Conjugate	Unconjugated

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Human OR2H1 full length protein-MNP

Cat. No. FLP200025

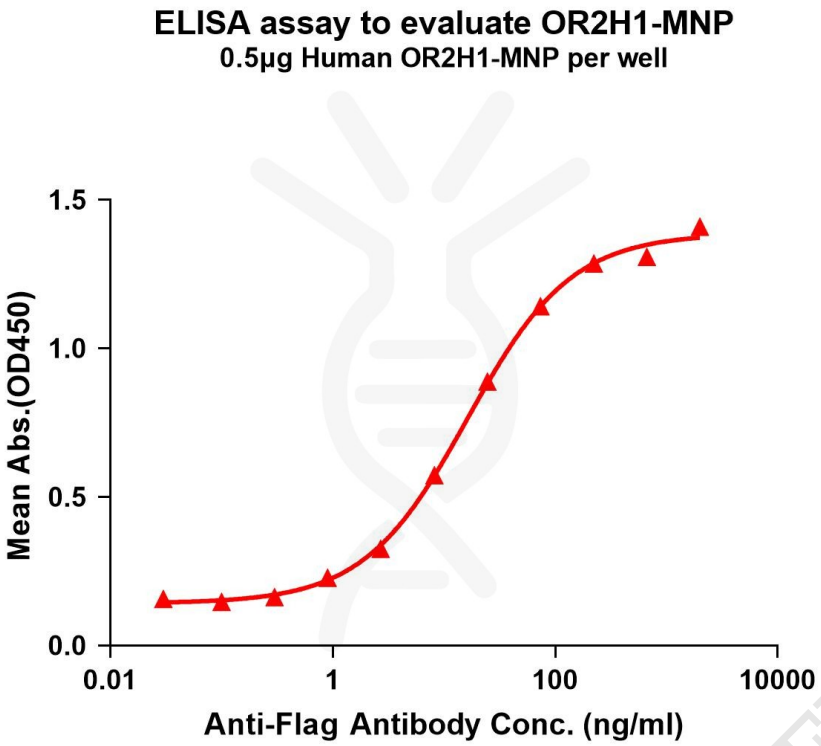


Figure1. Elisa plates were pre-coated with 0.5μg/per well purified human OR2H1 full length membrane nanoparticles. Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with OR2H1 full length membrane nanoparticles is 16.33ng/ml.

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