HUMAN OR2H1 FULL LENGTH PROTEIN

: 11009

: OR2H1 Full Length

: 10/50/100 µg

6M1-16; dJ994E9.4; HS6M1-16; OLFR42A-9004-14; OLFR42A-9004.14/9026.2; OR2H6; OR2H8; OR6-2

: OR2H1

UNIPROT ID: Q9GZK4

: OR2H1 full length protein-synthetic nanodisc

: 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.

/ : HEK293

: The human full length OR2H1 Protein has a MW of 35.3 kDa

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Product Description

ELISA assay to evaluate OR2H1-Nanodisc
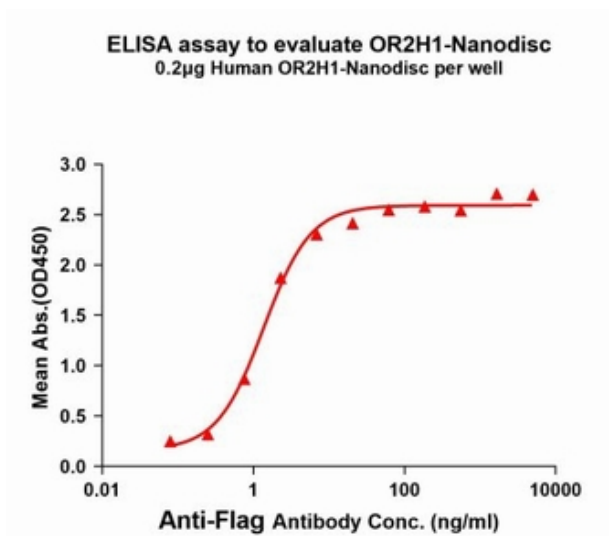0.2μg Human OR2H1-Nanodisc per well

Figure1. Elisa plates were pre-coated with Flag Tag OR2H1-Nanodisc (0.2 μg/per well). 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-Nanodisc is 1.37ng/ml.
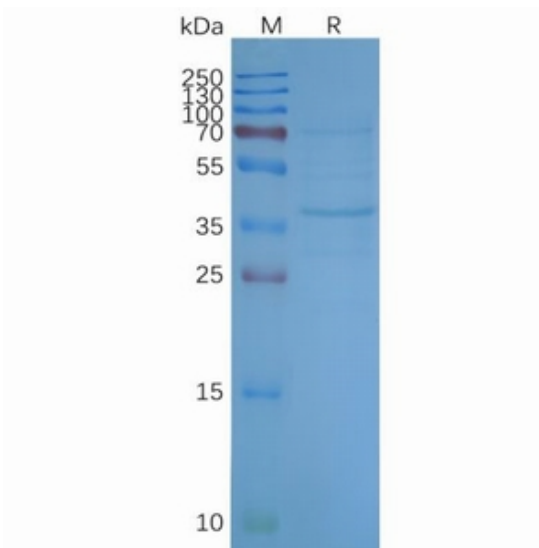

Figure2. Human OR2H1-Nanodisc, Flag Tag on SDS-PAGE