

PRODUCT INFORMATION

Warning . Undefined variable \$hasAttributeValueDescription in Calwawroottmirror.dimablo.com/wp-content\plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php on line 2806 CFlag Tag Tag

Olfactory receptor 8U8 Synonym

Human OR8U8 full length protein-synthetic nanodisc

Delivery Uniprot ID POC7N1 HEK293 **Expression Host**

Protein Families Druggable Genome, Transmembrane

Protein Pathways Olfactory transduction

Molecular Weigh The human full length OR8U8 protein has a MW of 36.3 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. Please see Certificate of Analysis for specific instructions of reconstitution.

Storage & Shipping

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in Joyhilized 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. Olfactory receptors interact with dodrant 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 neurotransmitted and hornome receptors and are responsible for tecognition and of protein-mediated transduction of adorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor gene and proteins for this organism is in independent of other organisms.

Usage Research use only Unconjugated

Background

ELISA assay to evaluate OR8U8-Nanodisc 0.2µg Human OR8U8-Nanodisc per well

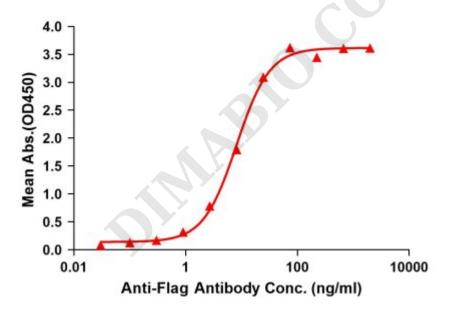


Figure 1. Elisa plates were pre-coated with Flag Tag OR8U8-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with OR8U8-Nanodisc is 8.175 ng/ml.

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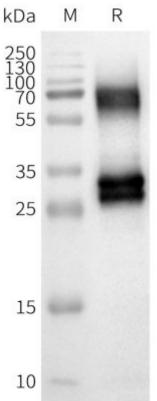


Figure 2. WB analysis of Human OR8U8-Nanodisc with anti-Flag monoclonal antibody at 1/5000 dilution, followed by Goat Anti-Rabbit IgG HRP at 1/5000 dilution

