

## **PRODUCT INFORMATION**

\$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-printcommerce-print-products-public.php on line 2806 Tag

DOP; DOR; DOR1; OPRD

Human OPRD1-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID P41143 HEK293 **Expression Host** 

Background

Protein Families Druggable Genome, GPCR, Transmembrane Protein Pathways Neuroactive ligand-receptor interaction

Molecular Weigh The human full length OPRD1-Strep protein has a MW of 40.4 kDa

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. Formulation & 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 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.

Gerpotein coupled receptor that functions as receptor for endogenous enkephalism and for a subset of other opioids. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling leads to the inhibition of adenylate cyclase signaling leads to the inhibition of adenylate cyclase signaling leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline leads to the inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline and inhibition of adenylate cyclase. Signaline leads to the inhibition of adenylate cyclase signaline and

Usage Research use only Unconjugated

## **ELISA assay to evaluate OPRD1-Strep-Nanodisc** 0.2µg Human OPRD1-Strep-Nanodisc per well

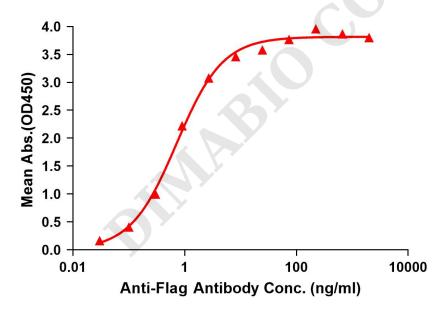


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag OPRD1-Strep-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with OPRD1-Strep-nanodisc is 0.720ng/ml.

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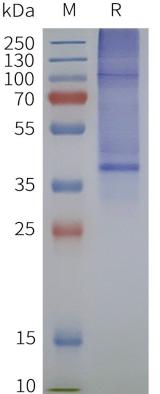


Figure 2. Human OPRD1-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE



