

## **PRODUCT INFORMATION**

Тад	C-Flag&Strep Tag
Target	OPRD1
Synonyms	DOP; DOR; DOR1; OPRD
Description	Human OPRD1-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P41143
<b>Expression Host</b>	HEK293
<b>Protein Families</b>	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length OPRD1-Strep protein has a Market Market Market Market Market All Market Al
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. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not
Storage & Shipping	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	G-protein coupled receptor that functions as receptor for endogenous enkephalins 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 activity. Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Plays a role in the perception of pain and in opiate-mediated analgesia. Plays a role in developing analgesic tolerance to morphine.
Usage	Research use only
Conjugate	Unconjugated

Email: info@dimabio.com Website: www.dimabio.com







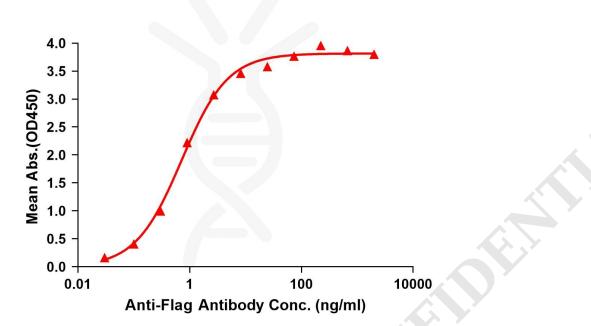
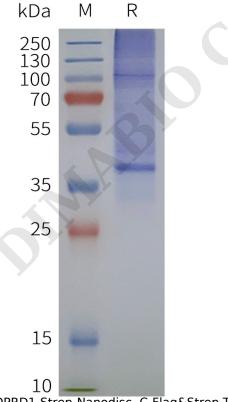
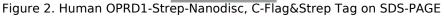


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag OPRD1-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding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





Email: info@dimabio.com Website: www.dimabio.com

