Cat. No. FLP120379



PRODUCT INFORMATION

C-Flag&Strep Tag Tag

OPN3 **Target**

Synonyms ECPN; PPP1R116

Human OPN3-Strep full length protein-synthetic **Description**

nanodisc

Delivery In Stock **Uniprot ID** Q9H1Y3 **Expression Host HEK293**

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways N/A

Background

The human full length OPN3-Strep protein has a **Molecular Weight**

MW of 44.9 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 Formulation & Reconstitution for specific instructions. Do not use solvents with

a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

témperature.

Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. In addition to the visual opsins, mammals possess several photoreceptive nonvisual opsins that are expressed in extraocular tissues. Opsin 3 is strongly expressed in brain and testis and weakly expressed in liver, placenta, heart, lung, skeletal muscle, kidney, and

pancreas. The protein may also be expressed in the retina. The protein has the canonical features

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

of a photoreceptive opsin protein.

Usage Research use only Conjugate Unconjugated





ELISA assay to evaluate OPN3-Strep-Nanodisc 0.2µg Human OPN3-Strep-Nanodisc per well

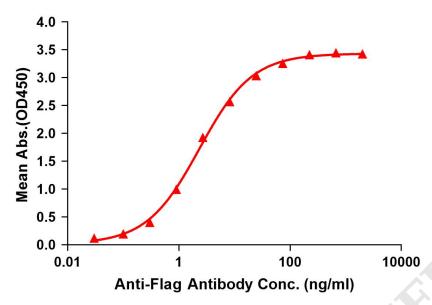


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag OPN3-Strep-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with OPN3-Strep-nanodisc is 2.345ng/ml.

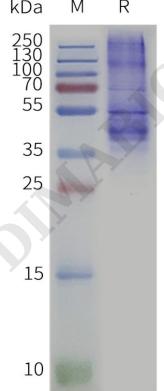


Figure 2. Human OPN3-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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

