

## **PRODUCT INFORMATION**

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

5-HT-1A; 5-HT1A; 5HT1a; ADRB2RL1; ADRBRL1; G-21; PFMCD Human 5HT1A-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID P08908 HEK293 **Expression Host** 

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

Molecular Weigh The human full length 5HT1A-Strep protein has a MW of 46.1 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

Store at -20°C to -80°C for I2 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. A G protein-coupled receptor for 5-hydroxytrypalmine (serotonin), and belongs to the 5-hydroxytryptamine receptor subfamily. Serotonin has been implicated in a number of physiologic processes and pathologic conditions, inactivation of this gene in mice results in behavior consistent with an increased anxiety and stress response. Mutation in the promoter of this gene has been associated with mentratual cycle-dependent periodic fevers.

Usage Research use only Conjugate Unconjugated

## ELISA assay to evaluate 5HT1A-Strep-Nanodisc 0.2µg Human 5HT1A-Strep-Nanodisc per well

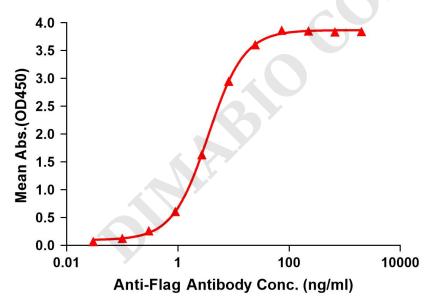


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag 5HT1A-Strep-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with 5HT1A-Strep-nanodisc is 3.545ng/ml.

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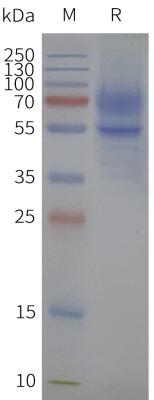


Figure 2. Human 5HT1A-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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