

## **PRODUCT INFORMATION**

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

Human DRD4-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID P21917 HEK293 **Expression Host** 

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

The human full length DRD4-Strep protein has a MW of 43.9 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 for specific instructions of reconstitution.

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, in fonctinended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. This protein is 04 subtype of the dopamine receptor. The D4 subtype is a G-protein coupled receptor which inhibits adenylyl cyclase. It is a target for drugs which treat schizophrenia and Parkinson disease. Mutations in this gene have been associated with various behavioral phenotypes, including polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats.

Research use only

Conjugate Unconjugated

## ELISA assay to evaluate DRD4-Strep-Nanodisc 0.2µg Human DRD4-Strep-Nanodisc per well

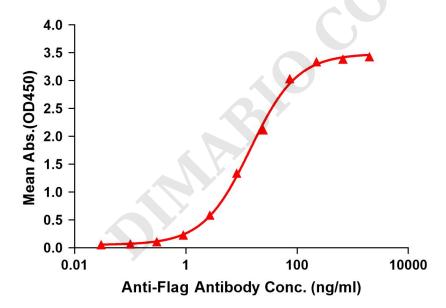


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag DRD4-Strep-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with DRD4-Strep-nanodisc is 14.40ng/ml.

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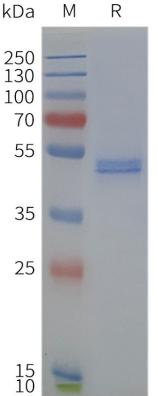


Figure 2. Human DRD4-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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