

PRODUCT INFORMATION

| | |
|---|--|
| Tag | C-Flag&Strep Tag |
| Target | DRD5 |
| Synonyms | DBDR, DRD1B, DRD1L2 |
| Description | Human DRD5-Strep full length protein-synthetic nanodisc |
| Delivery | 6~8weeks |
| Uniprot ID | P21918 |
| Expression Host | HEK293 |
| Protein Families | GPCR,Transmembrane,Druggable Genome, |
| Protein Pathways | GPCRDB Class A Rhodopsin-like,Monoamine GPCRs,G-Protein Coupled Receptors Signaling Pathway, |
| Molecular Weight | The human full length DRD5-Strep protein has a MW of 53 kDa |
| 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. 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. |
| Storage & Shipping | 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. |
| Background | This gene encodes the D5 subtype of the dopamine receptor. The D5 subtype is a G-protein coupled receptor which stimulates adenylyl cyclase. This receptor is expressed in neurons in the limbic regions of the brain. It has a 10-fold higher affinity for dopamine than the D1 subtype. Pseudogenes related to this gene reside on chromosomes 1 and 2. [provided by RefSeq, Jul 2008] |
| Usage | Research use only |
| Conjugate | Unconjugated |

