Human GABR2-Strep full length protein-synthetic nanodisc

Cat. No. FLP120252

## PRODUCT INFORMATION

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|---|---|
| **Tag** | **Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806**<br>C-Flag&Strep Tag |
| **Target** | GABR2 |
| **Synonyms** | DEE59; EIEE59; GABABR2; GPR51; GPRC3B; HG20; HRIHFB2099; NDPLHS |
| **Description** | Human GABR2-Strep full length protein-synthetic nanodisc |
| **Delivery** | In Stock |
| **Uniprot ID** | O75899 |
| **Expression Host** | HEK293 |
| **Protein Families** | Druggable Genome, GPCR, Transmembrane |
| **Protein Pathways** | Neuroactive ligand-receptor interaction |
| **Molecular Weight** | The human full length GABR2-Strep protein has a MW of 105.8 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 |
| **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** | The multi-pass membrane protein belongs to the G-protein coupled receptor 3 family and GABA-B receptor subfamily. The GABA-B receptors inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters, and the activity of ion channels and adenylyl cyclase. This receptor subunit forms an active heterodimeric complex with GABA-B receptor subunit 1, neither of which is effective on its own. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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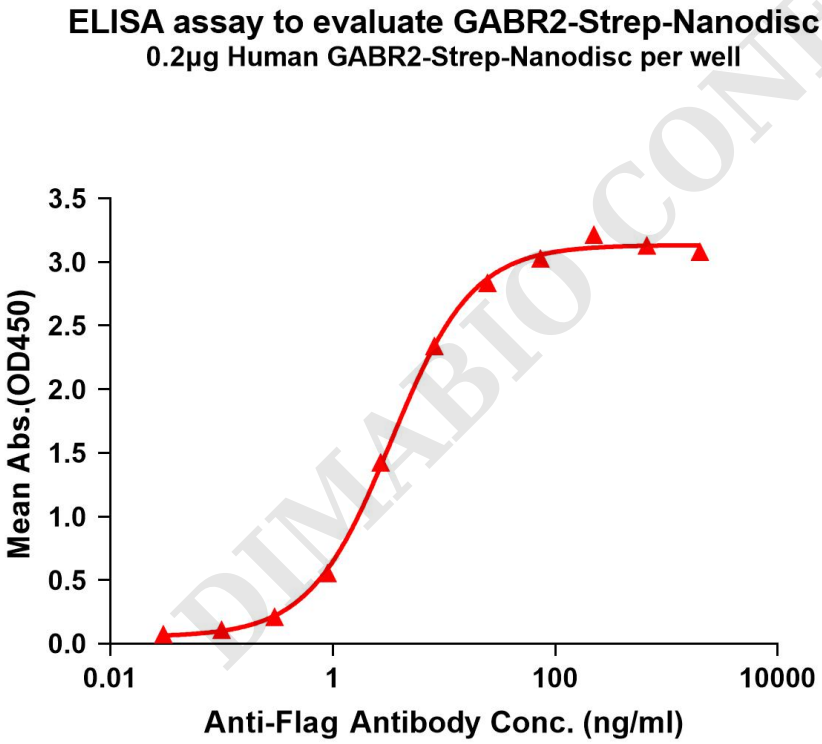



Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag GABR2-Strep-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GABR2-Strep-nanodisc is 3.361ng/ml.

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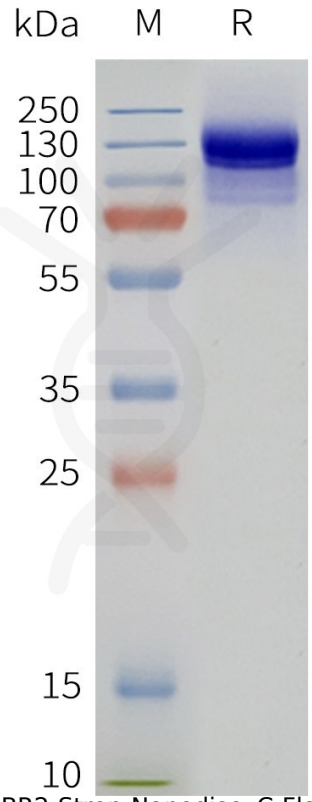



Figure 2. Human GABR2-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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