## PRODUCT INFORMATION

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|---|---|
| **Tag** | C-Flag&Strep Tag |
| **Target** | FFAR4 |
| **Synonyms** | BMIQ10; GPR120; GPR129; GT01; O3FAR1; PGR4 |
| **Description** | Human FFAR4-Strep full length protein-synthetic nanodisc |
| **Delivery** | In Stock |
| **Uniprot ID** | Q5NUL3 |
| **Expression Host** | HEK293 |
| **Protein Families** | Druggable Genome, Transmembrane |
| **Protein Pathways** | N/A |
| **Molecular Weight** | The human full length FFAR4-Strep protein has a MW of 42.2 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** | The protein is a G protein-coupled receptor (GPR) which belongs to the rhodopsin family of GPRs. The encoded protein functions as a receptor for free fatty acids, including omega-3, and participates in suppressing anti-inflammatory responses and insulin sensitizing. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |



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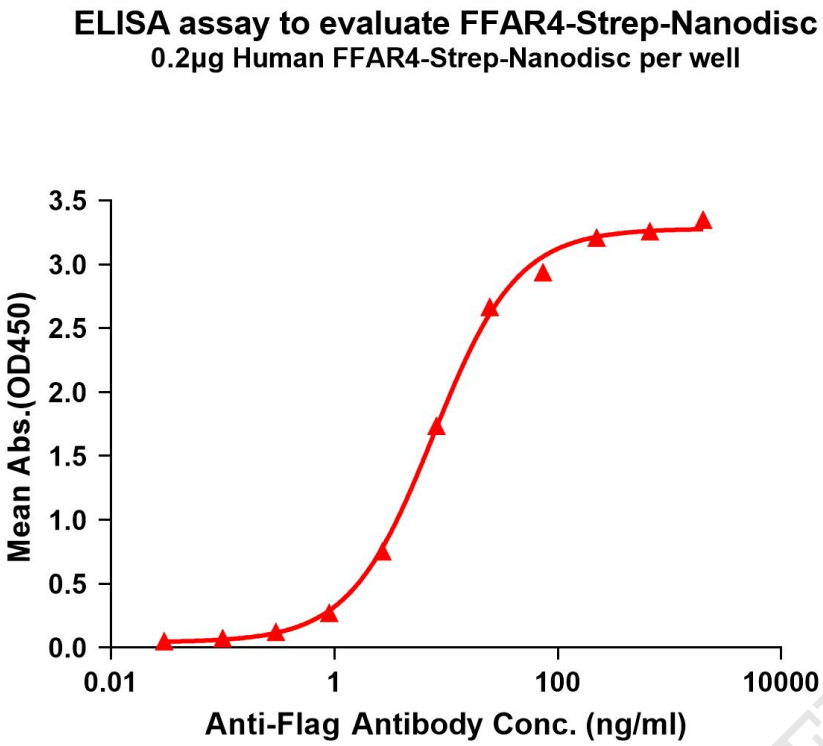


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag FFAR4-Strep-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FFAR4-Strep-nanodisc is 7.707ng/ml.

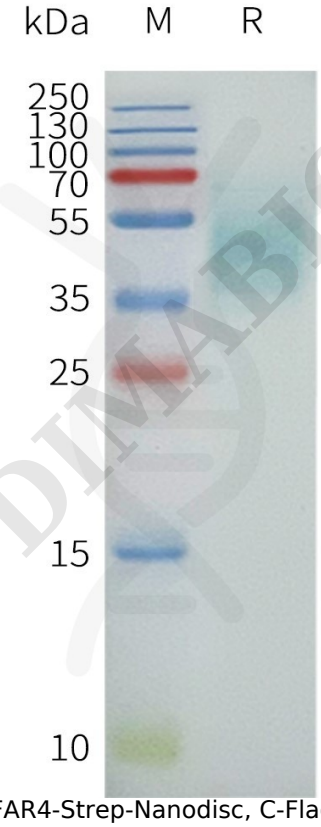


Figure 2. Human FFAR4-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE



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