

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 of reconstitution. |
| 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 |



ELISA assay to evaluate FFAR4-Strep-Nanodisc
0.2µg Human FFAR4-Strep-Nanodisc per well

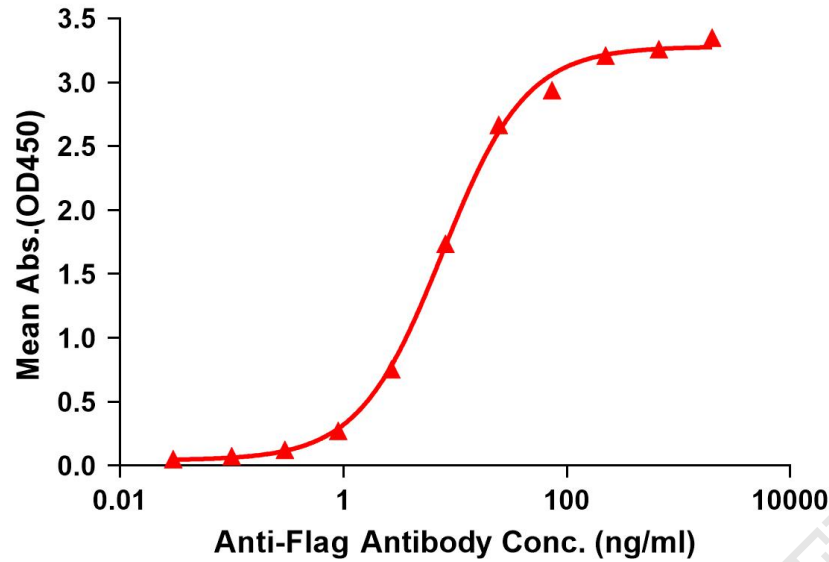


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag FFAR4-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding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

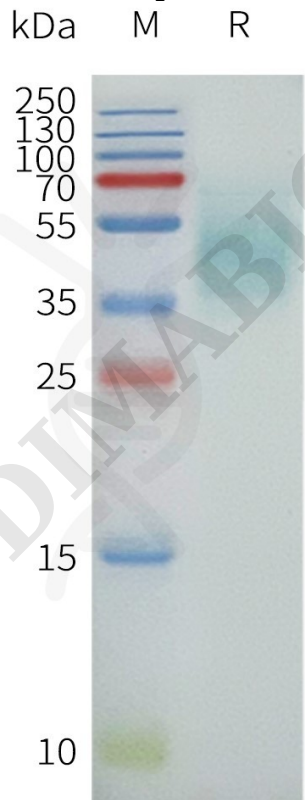


Figure 2. Human FFAR4-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

