Cat. No. FLP100238



PRODUCT INFORMATION

C-Flag Tag Tag FFAR4 **Target**

Synonyms BMIQ10; GPR120; GPR129; GT01; O3FAR1; PGR4

Human FFAR4 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** Q5NUL3 **Expression Host HEK293**

Protein Families Druggable Genome, Transmembrane

Protein Pathways

The human full length FFAR4 protein has a MW of **Molecular Weight**

42.2 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 Formulation & Reconstitution

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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.

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Background

Research use only **Usage** Conjugate Unconjugated





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

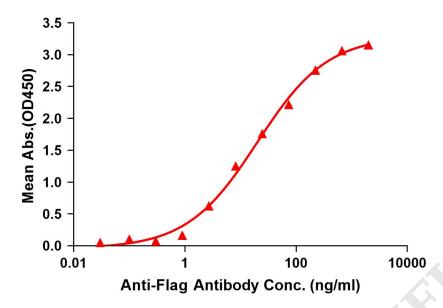


Figure 1. Elisa plates were pre-coated with Flag Tag FFAR4-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FFAR4-Nanodisc is 20.10ng/ml.

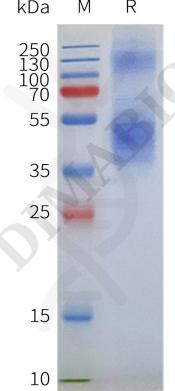


Figure 2. Human FFAR4-Nanodisc, Flag Tag on SDS-PAGE

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