

PRODUCT INFORMATION

C-Flag Tag Tag GPR84 **Target**

Synonyms EX33; GPCR4

Human GPR84 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** Q9NQS5 **Expression Host HEK293**

Druggable Genome, GPCR, Transmembrane **Protein Families**

Protein Pathways

Background

Conjugate

The human full length GPR84 protein has a MW of **Molecular Weight**

43.7 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 Formulation & Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of 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.

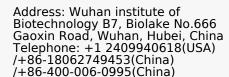
Unconjugated

Receptor for medium-chain free fatty acid (FFA) with carbon chain lengths of C9 to C14. Capric acid (C10:0), undecanoic acid (C11:0) and lauric acid (C12:0) are the most potent agonists. Not activated by short-chain and long-chain saturated and unsaturated FFAs. Activation by medium-

chain free fatty acid is coupled to a pertussis toxin sensitive G(i/o) protein pathway. May have important roles in processes from fatty acid metabolism to regulation of the immune system.

Usage Research use only

> Email: info@dimabio.com Website: www.dimabio.com







ELISA assay to evaluate GPR84-Nanodisc 0.2µg Human GPR84-Nanodisc per well

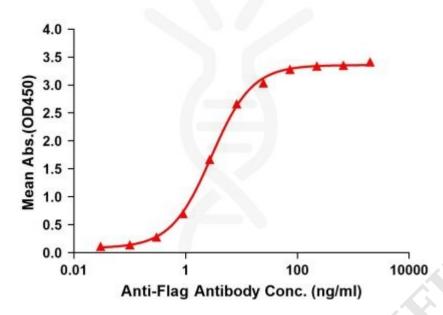


Figure 1. Elisa plates were pre-coated with Flag Tag GPR84-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GPR84-Nanodisc is 2.893 ng/ml.



Figure 2. WB analysis of Human GPR84-Nanodisc with anti-Flag monoclonal antibody at 1/5000 dilution, followed by Goat Anti-Rabbit IgG HRP at 1/5000 dilution

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