HUMAN FFAR1 FULL LENGTH PROTEIN

Cat.#: 11115
Product Name: Human FFAR1 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: FFA1R; GPCR40; GPR40
Target: FFAR1
UNIPROT ID: O14842
Description: Human FFAR1 full length protein-synthetic nanodisc
Background: A member of the GP40 family of G protein-coupled receptors that are clustered together on chromosome 19. The encoded protein is a receptor for medium and long chain free fatty acids and may be involved in the metabolic regulation of insulin secretion. Polymorphisms in this gene may be associated with type 2 diabetes.
Species/Host: HEK293
Molecular Weight: The human full length FFAR1 protein has a MW of 31.5 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.
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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

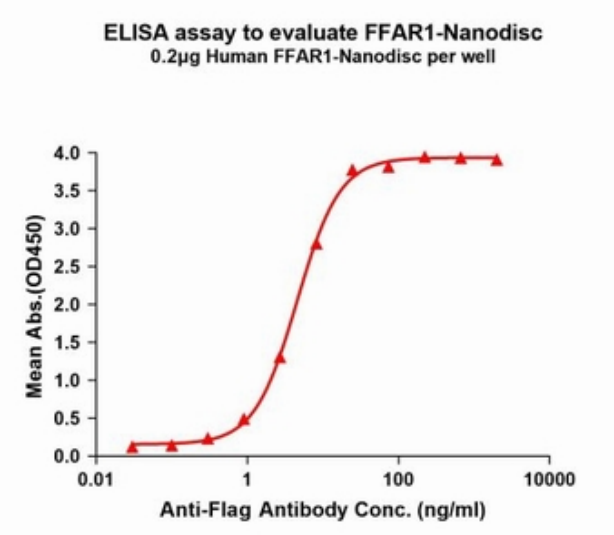

Figure1. Elisa plates were pre-coated with Flag Tag FFAR1-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FFAR1-Nanodisc is 4.566ng/ml.

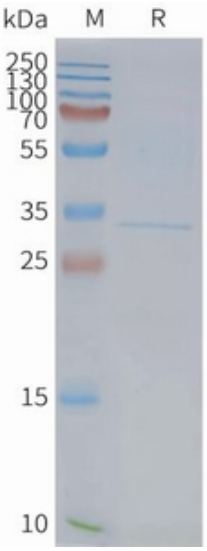

Figure2. Human FFAR1-Nanodisc, Flag Tag on SDS-PAGE

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