PRODUCT INFORMATION

Target	FFAR3
Synonyms	FFAR3, GPR41, FFA3, Free fatty acid receptor 3, G-protein coupled receptor 41
Description	Recombinant human FFAR3 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	O14843
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	FFAR3(Met1-Trp15) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 27.9 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. 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	FFAR3 (Free fatty acid receptor 3 / GPR41) is a G-protein coupled receptor (GPCR) that binds short-chain fatty acids (SCFAs) such as acetate, propionate, and butyrate. It primarily couples to Gi/o proteins, inhibiting adenylyl cyclase and modulating cAMP levels. FFAR3 is expressed in adipose tissue, gut, and sympathetic neurons, where it regulates energy metabolism, insulin secretion, gut hormone release, and sympathetic nervous system activity. Dysregulation of FFAR3 signaling is implicated in metabolic disorders, obesity, and diabetes, making it a potential therapeutic target in metabolic and cardiovascular diseases.
Usage	Research use only
Conjugate	Unconjugated

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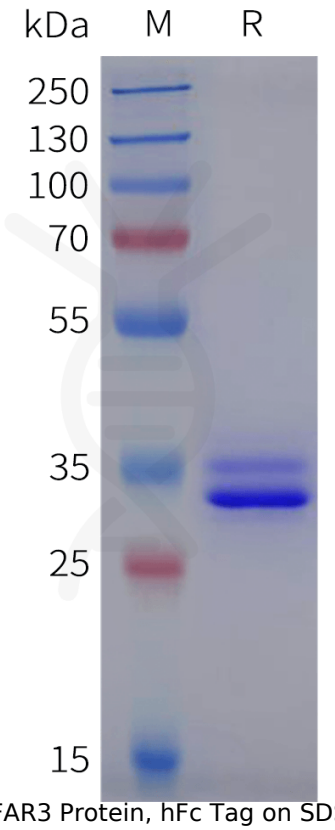

Figure 1. Human FFAR3 Protein, hFc Tag on SDS-PAGE under reducing condition.

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