HUMAN GPR132 PROTEIN

Cat.#: 12279

Product Name: Human GPR132 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: G2A

Target: GPR132

UNIPROT ID: Q9UNW8

Description: Recombinant human GPR132 Protein with C-terminal human Fc tag

Background: This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein was reported to be a receptor for lysophosphatidylcholine action, but PubMedID: 15653487 retracts this finding and instead suggests this protein to be an effector of lysophosphatidylcholine action. This protein may have proton-sensing activity and may be a receptor for oxidized free fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 30.9 kDa after removal of the signal peptide. The apparent molecular mass of GPR132-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: GPR132(Met1-Leu45) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

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.

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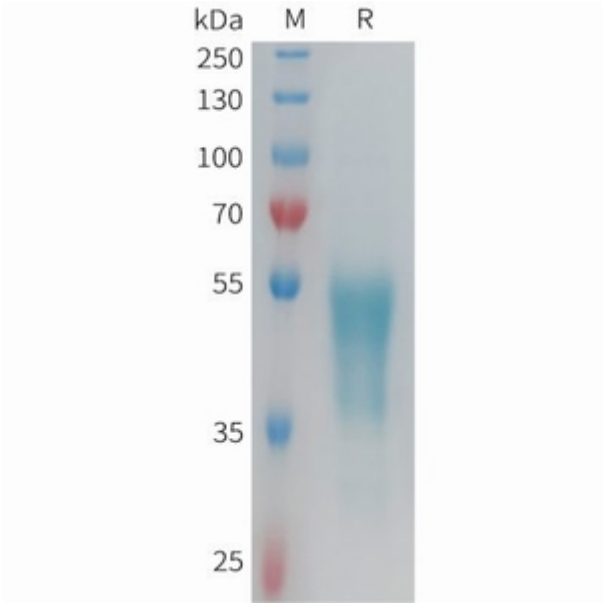

Figure 1. Human GPR132 Protein, hFc Tag on SDS-PAGE under reducing condition.

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