PRODUCT INFORMATION

Target	GPR18
Synonyms	R518, GPCR18, G protein-coupled receptor 18
Description	Recombinant human GPR18 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q14330
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	GPR18(Met1-Lys22) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.7 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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	GPR18 (G protein-coupled receptor 18) is a G-protein coupled receptor (GPCR) expressed in immune cells, brain, and peripheral tissues. It couples to Gi/o proteins, modulating cAMP levels, intracellular calcium, and MAPK signaling pathways. GPR18 is involved in immune regulation, inflammation, and cell migration, and has been implicated in cardiovascular, neurological, and metabolic processes. It is considered a potential therapeutic target for immune-related disorders, inflammation, and cancer.
Usage	Research use only
Conjugate	Unconjugated

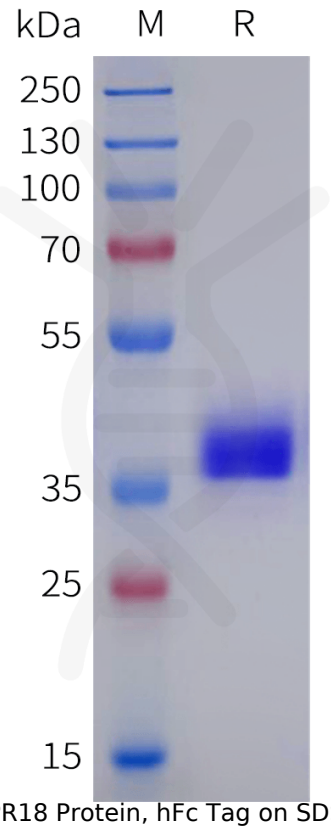

Figure 1. Human GPR18 Protein, hFc Tag on SDS-PAGE under reducing condition.