

## PRODUCT INFORMATION

<b>Target</b>	GPR18
<b>Synonyms</b>	R518, GPCR18, G protein-coupled receptor 18
<b>Description</b>	Recombinant human GPR18 Protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q14330
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc tag
<b>Molecular Characterization</b>	GPR18(Met1-Lys22) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 28.7 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



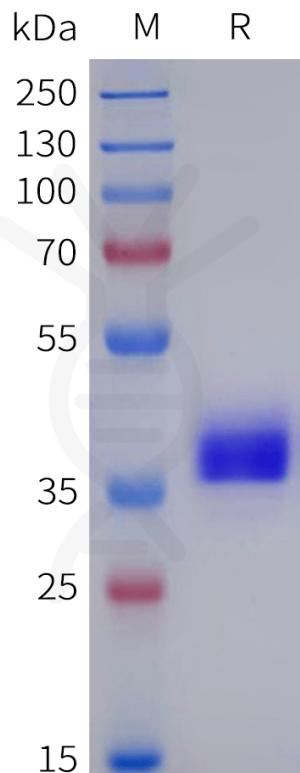


Figure 1. Human GPR18 Protein, hFc Tag on SDS-PAGE under reducing condition.

