PRODUCT INFORMATION

Target	GPR161
Synonyms	GPCR161, G protein-coupled receptor 161
Description	Recombinant human GPR161 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q8N6U8
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	GPR161(Met1-Gln30) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 29.3 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	GPR161 (G protein-coupled receptor 161) is a G-protein coupled receptor (GPCR) involved in Hedgehog signaling regulation and primary cilia function. It primarily couples to Gs proteins, activating adenylyl cyclase and elevating intracellular cAMP. GPR161 is expressed in developing tissues and the central nervous system, where it modulates embryonic development, cell proliferation, and tissue patterning. Mutations or dysregulation of GPR161 are associated with developmental disorders and ciliopathies, making it a relevant target for developmental biology and disease research.
Usage	Research use only
Conjugate	Unconjugated

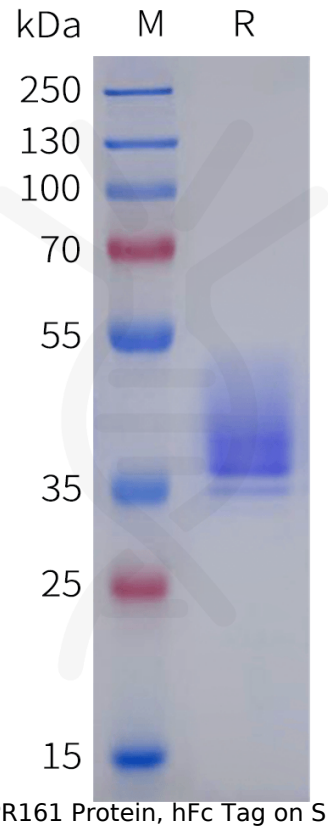

Figure 1. Human GPR161 Protein, hFc Tag on SDS-PAGE under reducing condition.

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