PRODUCT INFORMATION

Target	GPR101
Synonyms	GPCR101, XLRG1, G protein-coupled receptor 101
Description	Recombinant human GPR101 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q96P66
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	GPR101(Met1-Arg34) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 29.8 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	GPR101 (G protein-coupled receptor 101) is a G-protein coupled receptor (GPCR) primarily expressed in the pituitary gland, hypothalamus, and brain tissues. It couples to Gs proteins, activating adenylyl cyclase and increasing intracellular cAMP, influencing hormone secretion, growth regulation, and pituitary function. Dysregulation or overexpression of GPR101 is associated with X-linked acrogigantism (XLAG) and pituitary hyperplasia, making it a potential therapeutic target for endocrine disorders.
Usage	Research use only
Conjugate	Unconjugated

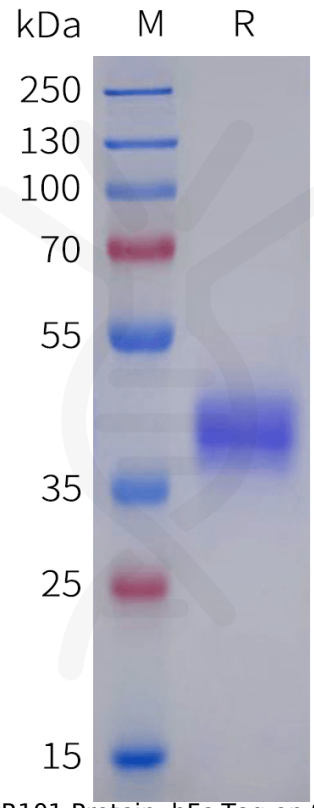

Figure 1. Human GPR101 Protein, hFc Tag on SDS-PAGE under reducing condition.

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