

PRODUCT INFORMATION

Target GPR101

Synonyms GPCR101, XLRG1, G protein-coupled receptor 101

Recombinant human GPR101 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** Q96P66 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

Background

GPR101(Met1-Arg34) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 29.8 kDa after removal of the signal peptide.

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

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. 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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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

and pituitary hyperplasia, making it a potential therapeutic target for endocrine disorders.

Usage Research use only

Conjugate Unconjugated



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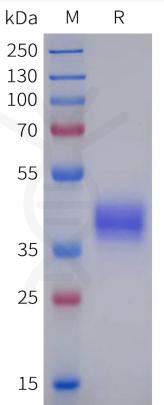


Figure 1. Human GPR101 Protein, hFc Tag on SDS-PAGE under reducing condition.



