

PRODUCT INFORMATION

Target PTGFR FΡ **Synonyms**

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

terminal human Fc tag

Delivery In Stock **Uniprot ID** P43088 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

Background

PTGFR(Met1-Ser29) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 29.2 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.

The protein encoded by this gene is member of the G-protein coupled receptor family. This protein is a receptor for prostaglandin F2-alpha (PGF2-alpha), which is known to be a potent luteolytic agent, and may also be involved in modulating intraocular pressure and smooth muscle contraction in uterus. Knockout studies in

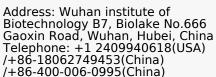
mice suggest that the interaction of PGF2-alpha with this receptor may initiate parturition in ovarian luteal cells and thus induce luteolysis. Two transcript variants encoding different

isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Usage Research use only

Unconjugated Conjugate

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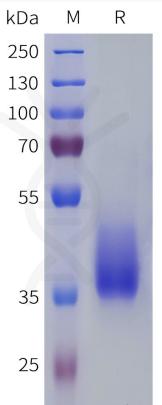


Figure 1. Human PTGFR Protein, hFc Tag on SDS-PAGE under reducing condition.

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