

PRODUCT INFORMATION

TSHR Target

Synonyms LGR3; CHNG1; hTSHR-I

Recombinant human TSHR(23-410) Protein with **Description**

N-terminal human Fc tag

Delivery In Stock **Uniprot ID** P16473 **Expression Host HEK293**

Tag N-Human Fc tag

Molecular

Molecular Weight

Background

hFc(Glu99-Ala330) TSHR(Gly23-Asp410) Characterization

The protein has a predicted molecular mass of

70.3 kDa after removal of the signal peptide. The apparent molecular mass of hFc-TSHR(23-410) is approximately 70-130 kDa due to glycosylation.

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

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a membrane protein and a major controller of thyroid cell metabolism. The encoded protein is a receptor for thyrothropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyrodism. Three transcript variants

encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]

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Usage Research use only

Conjugate Unconjugated



/+86-400-006-0995(China)



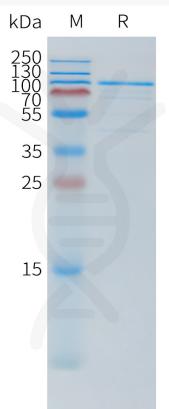


Figure 1. Human TSHR(23-410) Protein, hFc Tag on SDS-PAGE under reducing condition.

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