

## PRODUCT INFORMATION

<b>Target</b>	TSHR
<b>Synonyms</b>	LGR3; CHNG1; hTSHR-I
<b>Description</b>	Recombinant human TSHR(23-410) Protein with N-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P16473
<b>Expression Host</b>	HEK293
<b>Tag</b>	N-Human Fc tag
<b>Molecular Characterization</b>	hFc(Glu99-Ala330) TSHR(Gly23-Asp410)
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	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 hyperthyroidism. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



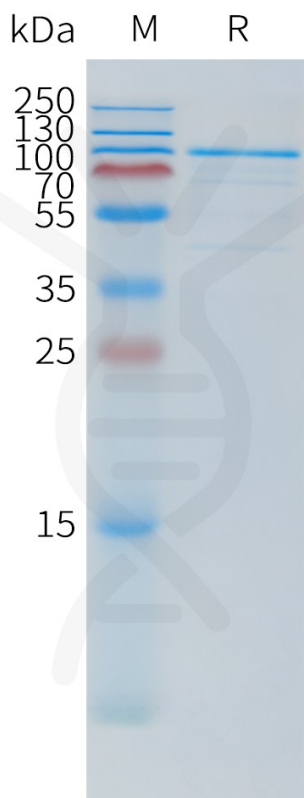


Figure 1. Human TSHR(23-410) Protein, hFc Tag on SDS-PAGE under reducing condition.

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