Human TSHR(23-410) Protein, hFc Tag

Cat. No. PME101523

PRODUCT INFORMATION

Target	TSHR
Synonyms	LGR3; CHNG1; hTSHR-I
Description	Recombinant human TSHR(23-410) Protein with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P16473
Expression Host	HEK293
Tag	N-Human Fc tag
Molecular Characterization	hFc(Glu99-Ala330) TSHR(Gly23-Asp410)
Molecular Weight	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.
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.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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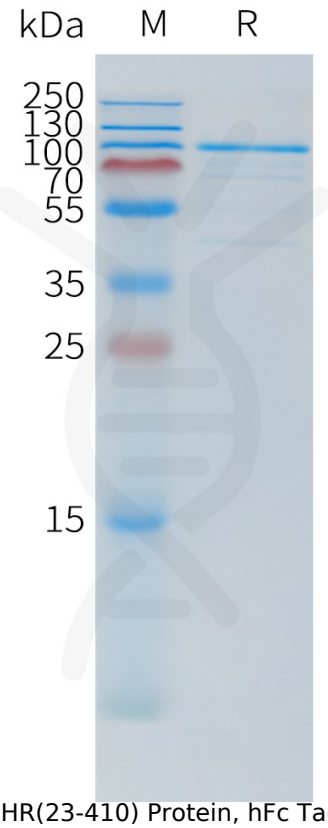


Figure 1. Human TSHR(23-410) Protein, hFc Tag on SDS-PAGE under reducing condition.

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