

Recombinant Human TSHR

Cat. No. TSHR-3451H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TSHR (66 kDa) protein was expressed in E. coli with His-tag.
Species	Human
Source	E.coli
Description	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 thyrothrin 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.
Form	Each vial contains Tris-HCl (pH7.4 ± 0.2), with 0.02% NaN ₃ .
Molecular Mass	66 kDa
AA Sequence	GMGCSSPPCECHQEEDFRVTCKDIQRIPSLPPSTQTLKLIETHLRTIPSHAFSNLPNIS RIYVSIDVTLQQLESHSFYNLSKVTHIEIRNTRNLTYIDPDALKELPLLKFLGIFNTGLK MFPDLTKVYSTDIFFILEITDNPYMTSIPVNAFQGLCNETLTLKLYNNGFTSVQGYAFN GTKLDAVYLNKNKYLTVIDKDAFGGVYSGPSLLDVSQTSVTALPSKGLEHLKELIARN TWTLKKLPLSLSLHLTRADLSYP SHCCAFKNQKKIRGILESLMCNESSMQSLRQRK SVNALNSPLHQEYEENLGDSIVGYKEKSKFQDTHNNAHYVFFEEQEDEIIGFGQEL KNPQEETLQAFDSHYDYTCGDSEDMVCTPKSDEFNPCEDIMGYKFLRIVVWFVSL ALLGNVFLILLTSHYKLVNPRFLMCNLAFADFCMGMYLLLIASVDLYTHSEYYNHAI DWQTGPGCNTAGFFT VFASELSVYTLTVITLERWYAITFAMRLDRKIRLRHACAIMVG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GWVCCFLLALLPLVGISSYAKVSICLPMDTETPLALAYIVFVLTNLIVAFVIVCCCIVKIY
 ITVRNPQYNPGDKDTKIAKRMVLIPTDFICMAPISFYALSAILNKPLITVSNSKILLVLF
 YPLNSCANPFLYAIFTKAFQRDVFILLSKFGICKRQAQAYRGQRVPPKNSTDIQVQKV
 THEMROGLHNMEDVYELIENSHLTPKKQGQISEEYMQTVL

Purity > 90%

Applications ELISA, SDS-PAGE

Storage Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name TSHR thyroid stimulating hormone receptor [Homo sapiens (human)]

Official Symbol TSHR

Synonyms TSHR; LGR3; CHNG1; hTSHR-I; thyroid stimulating hormone receptor; thyrotropin receptor; thyrotropin receptor-I, hTSHR-I; seven transmembrane helix receptor; thyroid stimulating hormone receptor, isoform 2

Gene ID 7253

mRNA Refseq NM_000369

Protein Refseq NP_000360

MIM 603372

UniProt ID P16473

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA