

Recombinant Human TSHR, GST-tagged

Cat. No. TSHR-3450H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSHR was expressed as gst-tagged fusion protein by E.Coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-253 a.a.
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 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.
AA Sequence	1-253aa
Storage	The protein is stored in PBS buffer at -20 oC. Repeated freeze-thaw cycles should be avoided.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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
Chromosome Location	14q31
Pathway	Arf6 signaling events; Autoimmune thyroid disease; G alpha (s) signalling events
Function	protein binding; thyroid-stimulating hormone receptor activity

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