Recombinant Human TSHR, MYC/DDK-tagged

Cat. No. TSHR-839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSHR fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
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.
Molecular Mass	28.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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

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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_001142626
Protein Refseq	NP_001136098
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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