

## Active Recombinant Human TSHR protein, Fc-tagged

Cat. No. TSHR-1856H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TSHR(Met22-Gly413) fused with Fc of Human IgG1 at C-terminal was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	22-413 a.a.
<b>Predicted N Terminal</b>	Met22
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to inhibit rhTSH-induced cAMP accumulation in HEK293 human embryonic kidney cells transfected with human TSH R. The ED50 for this effect is 2-12 µg/mL.
<b>Molecular Mass</b>	71 kDa
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Avoid repeated freeze-thaw cycles.

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12 months from date of receipt, -20 to -70 centigrade as supplied.  
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.  
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Reconstitution** Reconstitute at 500 µg/mL in PBS.

## GENE INFORMATION

**Gene Name** [TSHR thyroid stimulating hormone receptor \[ Homo sapiens \]](#)

**Official Symbol** [TSHR](#)

**Synonyms** TSHR; thyroid stimulating hormone receptor; thyrotropin receptor; LGR3; TSH-R; thyrotropin receptor-I, hTSHR-I; seven transmembrane helix receptor; thyroid-stimulating hormone receptor; thyroid stimulating hormone receptor, isoform 2; CHNG1; hTSHR-I; MGC75129;

**Gene ID** [7253](#)

**mRNA Refseq** [NM\\_000369](#)

**Protein Refseq** [NP\\_000360](#)

**UniProt ID** [P16473](#)

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