

Active Recombinant Human TSHR protein, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TSHR(Met22-Gly413) fused with Fc of Human IgG1 at C-terminal was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	22-413 a.a.
Predicted N Terminal	Met22
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	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.
Molecular Mass	71 kDa
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Avoid repeated freeze-thaw cycles.

 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

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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