

Active Recombinant Human TSHR Full Length Transmembrane protein, His-tagged(VLP)

Cat. No. TSHR-305H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TSHR Full Length Transmembrane protein(P16473)(21-764 aa), fused with C-terminal His tag, was expressed in Mammalian Cells.
Species	Human
Source	Mammalian cells
ProteinLength	21-764 aa
Form	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human TSHR at 10 µg/mL can bind Anti-TSHR recombinant antibody. The EC50 is 30.81-36.12 ng/mL. The VLPs is negative control.
Molecular Mass	86.0 kDa
AASequence	GMGCSSPPCECHQEEDFRVTCKDIQRIPSLPPSTQTLKLIETHLRTIPSHAFSNLPNIS RIYVSIDVTLQQLESHSFYNLSKVTHIEIRNTRNLTYIDPDALKELPLLKFLGIFNTGLK MFPDLTKVYSTDIFFILEITDNPYMTSIPVNAFQGLCNETLTLKLYNNGFTSVQGYAFN GTKLDAVYLNKNKYLTVIDKDAFGGVYSGPSLLDVSQTSVTALPSKGLEHLKELIARN TWTLKKLPLSLSFLHLTRADLSYP SHCCAFKNQKKIRGILESLMCNESSMQSLRQRK SVNALNSPLHQEYEENLGDSIVGYKEKSKFQDTHNNAHYVFFEEQEDEIIGFGQEL KNPQEETLQAFDSDHYDYTCGDSEDMVCTPKSDEFNPCEDIMGYKFLRIVVWFVSL

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ALLGNVFLILLTSHYKLVNPRFLMCNLAFADFCMGMYLIIASVDLYTHSEYYNHAI
 DWQTGPGCNTAGFFTVFASELSVYTLTVITLERWYAITFAMRLDRKIRLRHACAIMVG
 GWVCCFLALLPLVGISSYAKVSICLPMDTETPLALAYIVFVLTNLIVAFVIVCCCYVKIY
 ITVRNPQYNPGDKDTKIAKRMAVLIFTDFICMAPISFYALSAILNKPLITVSNSKILLVLF
 YPLNSCANPFLYAIFTKAFQRDVFILLSKFGICKRQAQAYRGQRVPPKNSTDIQVQKV
 THDMRQGLHNMEDVYELIENSHLTPKKQGQISEEYMQTVL

Purity Greater than 90% as determined by SEC-HPLC.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

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](#)

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Protein Refseq NP_000360

UniProt ID P16473

SDS-PAGE

Activity

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