

Recombinant Human TSHR Protein, His-tagged

Cat. No. TSHR-126H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSHR Protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.5 added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.
Molecular Mass	28.6 kDa
AA Sequence	MKKGHHHHHHLVPRGGCSSPPCECHQEEDFRVTCKDIQRIPSLPPSTQTLKLIETHL RTIPSHAFSNLPNISRIYVSIDVTLQQLESHSFYNLSKVTHIEIRNTRNLTYIDPDALKE LLKFLGIFNTGLKMFPDLTKVYSTDIFFILEITDNPYMTSIPVNAFQGLCNETLTLKLY NNGFTSVQGYAFNGTKLDAVYLNKNKYLTVIDKDAFGGVYSGPSSLDDVSQTSVTALP SKGLEHLKELIARNTWTL
Purity	>95%

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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Concentration	1.28 mg/ml
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GENE INFORMATION

Gene Name	TSHR thyroid stimulating hormone receptor [Homo sapiens (human)]
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Official Symbol	TSHR
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Synonyms	LGR3; CHNG1; hTSHR-I
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Gene ID	7253
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mRNA Refseq	NM_000369
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Protein Refseq	NP_000360
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MIM	603372
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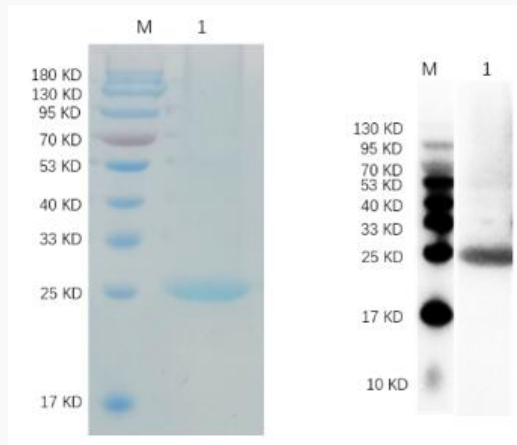
UniProt ID	P16473
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SDS-PAGE



Reducing 12% SDS-PAGE and WB analysis profile of purified TSHR-1899H (CBB stained).

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