

# Recombinant Full Length Sheep Thyrotropin Receptor(Tshr) Protein, His-Tagged

Cat. No. RFL27449OF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Sheep Thyrotropin receptor(TSHR) Protein (P56495) (22-764aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Sheep
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length of Mature Protein (22-764)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>ERCPSPPCECRQEDDFRVTCCKDIQRIPSLPPSTQTLKFIETHLKTIPSRAFSNLPNISRI          YLSIDATLQQLESHSFYNLSKVTHIEIRNTRSLTYIDSGALKELPLLKFLGIFNTGLRVF          PDLTKIYSTDVFFILEITDNPYMTSVPANAFQGLSNETLTLKLYNNGFTSIQGHAFNGT          K LDAVYLNKNKYLTVIDQDAFAGVYSGPTLLDISYTSVTALPSKGLEHLKELIARNTW          TLK KLPLSLSFLHLTRADLSYPSHCCAFKNQKNIRGILQSLMCNESSIWGLRQRKSA          SALNGP FYQEYEEDLGDGSAGYKENSKFQDTHSNSHYVFFEDQEDEIIGFGQELK          NPQEETLQAF DNHYDYTVCGGSEEMVCTPKSDEFNPCEDIMGYKFLRIVVWFVSL          ALLGNVFLVILLT SHYKLTVPRFLMCNLAFADFCMGLYLLLIASVDLYTQSEYYNHAI          DWQTGPGCNTAGFFT VFASELSVYTLTVITLERWYAITFAMHLDRKIRLWHAYVIML          GGWVCCFLLALLPLVGIS SYAKVSICLPMDTETPLALAYIILVLLLNIIFIIVCACYVKIYI          TVRNPHYNPGDKDTR IAKRMAVLIFTDFMCMAPISFYALSALMNKPLITVTNSKILLVL          FYPLNSCANPFLYAIF TKAFQRDVFMLLSKFGICKRQAQAYRGQRVSSKNSTGIRVQ</p>

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KVPPDVRQSLPNVQDDYEL LGNSHLTPKQQDQTSKEYKQTVL

**Purity** Greater than 90% as determined by SDS-PAGE.

**Applications** SDS-PAGE

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**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. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** TSHR

**Synonyms** TSHR; Thyrotropin receptor; Thyroid-stimulating hormone receptor; TSH-R

**UniProt ID** [P56495](https://www.uniprot.org/uniprot/P56495)

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