

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

Cat. No. RFL30901RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Thyrotropin receptor(Tshr) Protein (P21463) (22-764aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length of Mature Protein (22-764)
Form	Lyophilized powder
AA Sequence	<p>RGCTSPPECHQEDDFRVTCKELHQIPSLPPSTQTLKLIETHLKTIPSLAFSSLPNISRI YLSIDATLQRLEPHSFYNLSKMTHEIRNTRSLTYIDPDALTELPLKFLGIFNTGLRIF P DLTKIYSTDVFFILEITDNPYMTSVPENAFQGLCNETLTKLYNNGFTSIQGHAFNGTK LDAVYLNKNKYLTAKDAFGGVYSGPTLLDVSSTSVTALPSKGLEHLKELIAKNTWT LK KLPLSLSFLHLTRADLSYPHCCAFKNQKKIRGILESLMCNESSIRNLRQRKSVNV MRGP VYQEYEEGLGDNHVGKQNSKFQEGPSNSHYVFFEEQEDEIIGFGQELKN PQEETLQAF DSHYDYTVCGDNEDMVCTPKSDEFNCPEDIMGYKFLRIVVWFVSPM ALLGNVFLVLLT SHYKLTVPRFLMCNLAFAFCMGVYLLIASVDLYTHTEYYNHA IDWQTGPCNTAGFFT VFASELSVYTLTVITLERWYAITFAMRLDRKIRLRHAYTIMA GGWVSCFLLALLPMVGIS SYAKVSICLPMDTDTPLALAYIALVLLLNVAFAVIVCSCYV KIYITVRNPQYNPRDKDTK IAKRMAVLIFTDFMCMAPISFYALSALMKNKPLITVTNSGV LLVLFYPLNSCANPFLYAIF TKAFQRDVFILLSKFGLCKHQAQAYQAQRVCPNNNTGI</p>

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QIQKIPQDTRQSLPNVQDTYPEP LGSSHLTPKLQGRISEEYTQTAL

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 [P21463](https://www.uniprot.org/uniprot/P21463)

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