

Thyroid Stimulating Hormone Receptor (TSHR) Recombinant Protein | TSHR recombinant protein

Recombinant Thyroid Stimulating Hormone Receptor (TSHR)

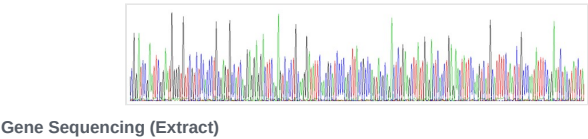
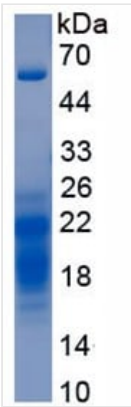
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21114	E Coli	Homo sapiens (Human)	SDS-Page, Western Blot

PRODUCT SYNONYMS

Thyroid Stimulating Hormone Receptor (TSHR); Recombinant Thyroid Stimulating Hormone Receptor (TSHR); TSHR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 80%
Form/Format	Freeze-dried powder
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence Positions	Gly21~Gly413
Applicable Applications for TSHR recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Tags	Two N-terminal Tags, His-tag and SUMO-tag
Subcellular Location	Membrane
Predicted isoelectric point	5.4
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method).
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



SDS-PAGE

	GMGCSSPPCE	CHQEEDFRVT	CKDIQIRPSL
PPSTQTLKLI	ETHLRTIPSH	AFSNLPNISR	IYVSDVTLQ
QLESHSFYNL	SKVTHIEIRN	TRNLTYIDPD	ALKELPLLKF
LGIFNTGLKM	FPDLTKVYST	DIFFILEITD	NPYMTSIPVN
AFQGLCNETL	TLKLYNNGFT	SVQGYAFNGT	KLDAVYLNKN
KYLTVIDKDA	FGGVYSGPSL	LDVSQTSVTA	LPSKGLEHLK
ELIARNTWTL	KKLPLSLSFL	HLTRADLSYP	SHCCAFKNQK
KIRGILESML	CNESSMQSLR	QRKSVNALNS	PLHQEYEENL
GDSIVGYKEK	SKFQDTHNNA	HYVVFEEQE	DEIIGFGQEL
KNPQEETLQA	FDSHYDYTIC	GDSEDMVCTP	KSDEFNPCED
IMG			

Sequence Information

ADDITIONAL INFORMATION

Product Categories/Family for TSHR recombinant protein	Endocrinology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4883586
NCBI GeneID	7253
Molecular Weight	Predicted Molecular Mass: 58.3kDa Accurate Molecular Mass: 58&22&18kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	TSHR, partial
NCBI Official Synonym Full Names	thyroid stimulating hormone receptor
NCBI Official Symbol	TSHR
NCBI Official Synonym Symbols	LGR3; CHNG1; hTSHR-I
NCBI Protein Information	thyrotropin receptor
UniProt Protein Name	Thyrotropin receptor
UniProt Gene Name	TSHR
UniProt Synonym Gene Names	LGR3; TSH-R

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.