

Datasheet for ABIN1330596

**TSH receptor Protein****2** Publications[Go to Product page](#)

## Overview

Quantity:	10 µg
Target:	TSH receptor (TSHR)
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Application:	Affinity Purification (AP)

## Product Details

Purpose:	TSHR (Human) Recombinant Protein
Sequence:	MRPADLLQLV LLLDLPRDLG GMGCSSPPCE CHQEEDFRVT CKDIQRIPSL PPSTQTLKLI ETHLRTIPSH AFSNLPNISR IYVSIDVTLQ QLESHSFYNL SKVTHIEIRN TRNLTYIDPD ALKELPLLKF LGIFNTGLKM FPDLTKVYST DIFFILEITD NPYMTSIPVN AFQGLCNETL TLKLYNNGFT SVQGYAFNGT KLDVAVLNKN KYLTVIDKDA FGGVYSGPSL LDVTSQTSVTA LPSKGLEHLK ELIARNTWTL KKLPLSLSFL HLTRADLSYP SHCCAFKNQK KIRGILESLM CNESSMQSLR QRKSVNALNS PLHQEYEENL GDSIVGYKEK SKFQDTHNNA HYYVFFEEQE DEIIGFGQEL KNPQEETLQA FDSHYDY TIC G DSEDMVCTP KSDEFNPCED IMGYKFLRIV VWFVSL LALL GNVFVLLILL TSHYKLVNPR FLMCNLAFAD FCMGMYLLLLI ASVDLYTHSE YYNHAI DWQT GPGCNTAGFF TVFA SELSVY TLT VITLERW YAITFAMRLD RKIRLRHACA IMVGGWVCCF LLALLPLVGI SSYAKVSICL PMDTETPLAL AYIVFVLT LN IVAFVIVCCC YVKIYITVRN PQYNPGDKDT KIAKRMAVLI FTFICMAPI SFYALSAILN KPLITVSNSK ILLVLFYPLN SCANPFLYAI FTKAFQRDVF ILLSKFGICK RQAQAYRGQR VPPKNSTDIQ VQKVTHEMRQ GLHNMEDVYE LIENSHLTPK KQGQISEEYM QTVL

## Product Details

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Characteristics:	Human TSHR full-length ORF (AAI56780.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Purification:	in vitro wheat germ expression system with proprietary liposome technology

## Target Details

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Target:	TSH receptor (TSHR)
Alternative Name:	TSHR ( <a href="#">TSHR Products</a> )
Background:	Full Gene Name: thyroid stimulating hormone receptor Synonyms: CHNG1,LGR3,MGC75129,hTSHR-I
Gene ID:	7253
Pathways:	<a href="#">Thyroid Hormone Synthesis</a>

## Application Details

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Application Notes:	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Comment:	Preparation method: in vitro, wheat germ expression system with proprietary liposome technology
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	25 mM Tris-HCl of pH 8.0 containing 2 % glycerol.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.

## Publications

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Product cited in:	Kumata, Nagata, Matsushita, Kuwamoto, Kato, Murakami, Fukata, Hayashi et al.: "Thyrotropin Receptor Antibody (TRAb)-IgM Levels Are Markedly Higher Than TRAb-IgG Levels in Graves' Disease Patients and Controls, and TRAb-IgM Production Is Related to Epstein-Barr Virus ..." in: <b>Viral immunology</b> , Vol. 29, Issue 8, pp. 459-463, (2016) ( <a href="#">PubMed</a> ).
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Nagata, Nakayama, Higaki, Ochi, Kanai, Matsushita, Kuwamoto, Kato, Murakami, Iwasaki, Nanba, Kimura, Hayashi: "Reactivation of persistent Epstein-Barr virus (EBV) causes secretion of thyrotropin receptor antibodies (TRAbs) in EBV-infected B lymphocytes with TRAbs on their surface." in: **Autoimmunity**, Vol. 48, Issue 5, pp. 328-35, (2015) ([PubMed](#)).