

## Product datasheet for TP326653L

### TSH Receptor (TSHR) (NM\_001142626) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens thyroid stimulating hormone receptor (TSHR), transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226653 representing NM_001142626 Red=Cloning site Green=Tags(s)

MRPADLLQLVLLLDLPRDLGGMGCSPPCECHQEEDFRVTCKDIQRIPSLPSTQTLKLIETHLRTIPSH  
AFSNLPNISRIYVSIDVTLQQLSHSYNLSKVTHIEIRNTRNLTYIDPDALKELPLLKFLGIFNTGLKM  
FPDLTKVYSTDIFILEITDNPYMTSIPVNAFQGLCNETLTLKLYNNGFTSVQGYAFNGTKLDAVYLNKN  
KYLTVIDKDAFGGVYSGPSLLVENVAVSGKGFCKSLFSWLYRLPLGRKLSLFSFETQKAPRSSMPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	28.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001136098</a></u>
Locus ID:	7253



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UniProt ID: [P16473](#)

Cytogenetics: 14q31.1

RefSeq ORF: 822

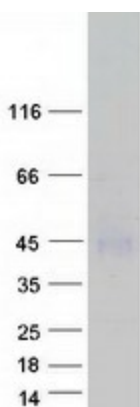
Synonyms: CHNG1; hTSHR-I; LGR3

**Summary:** 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 thyrothopin 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. [provided by RefSeq, Dec 2008]

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Autoimmune thyroid disease, Neuroactive ligand-receptor interaction

### Product images:



Coomassie blue staining of purified TSHR protein (Cat# [TP326653]). The protein was produced from HEK293T cells transfected with TSHR cDNA clone (Cat# [RC226653]) using MegaTran 2.0 (Cat# [TT210002]).