

Product datasheet for **TP701226**

TSH Receptor (TSHR) (NM_000369) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human thyroid stimulating hormone receptor (TSHR), transcript variant 1, Met22-Gly413, with C-terminal Human FC-AVI plus and His tag, expressed in CHO cells, 50ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC220499, encoding the region(Met22-Gly413) of TSHR
Tag:	C-HUMAN
Predicted MW:	74.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
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 after receiving vials.
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:	NP_000360
Locus ID:	7253
UniProt ID:	P16473 , A0A0A0MTJ0
RefSeq Size:	4410
Cytogenetics:	14q31.1
RefSeq ORF:	2292
Synonyms:	CHNG1; hTSHR-I; LGR3



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Summary:

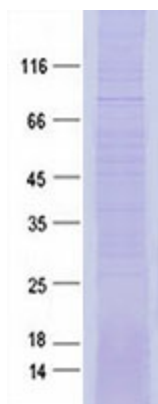
The protein encoded by this gene is a membrane protein and a major controller of thyroid cell metabolism. The encoded protein is a receptor for thyrothropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism. Three 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:

Purified recombinant protein TSHR was analyzed by SDS-PAGE gel and Coomassie Blue Staining.