

Product datasheet for **RC226653L4V**

TSH Receptor (TSHR) (NM_001142626) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TSH Receptor (TSHR) (NM_001142626) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TSHR
Synonyms:	CHNG1; hTSHR-I; LGR3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001142626
ORF Size:	822 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC226653).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001142626.1
RefSeq ORF:	825 bp
Locus ID:	7253
UniProt ID:	P16473
Cytogenetics:	14q31.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Autoimmune thyroid disease, Neuroactive ligand-receptor interaction
MW:	30.8 kDa



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Gene 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]