

## Product datasheet for **RC220499L4V**

### TSH Receptor (TSHR) (NM\_000369) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TSH Receptor (TSHR) (NM_000369) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TSH Receptor
Synonyms:	CHNG1; hTSHR-I; LGR3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000369
ORF Size:	2292 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220499).
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. <a href="#">More info</a>
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:	<a href="#">NM_000369.2</a>
RefSeq Size:	4410 bp
RefSeq ORF:	2295 bp
Locus ID:	7253
UniProt ID:	<a href="#">P16473</a>
Cytogenetics:	14q31.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Autoimmune thyroid disease, Neuroactive ligand-receptor interaction

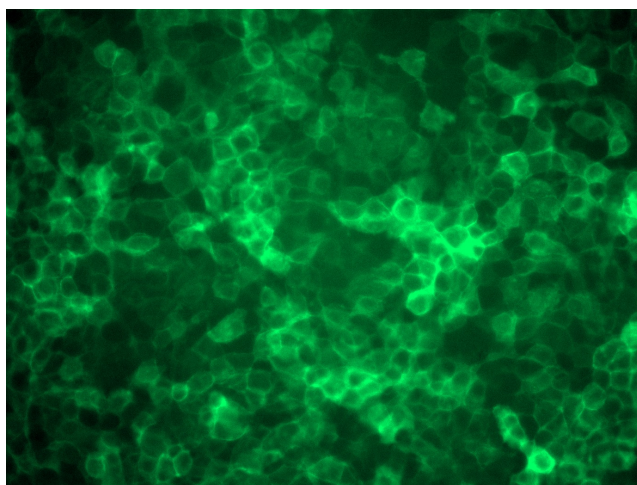


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MW: 86.83 kDa

**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 thyrotropin 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]

**Product images:**



[RC220499L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC220499L4V particle to overexpress human TSHR-mGFP fusion protein.