

## Product datasheet for **RC209049L4V**

### THNSL2 (NM\_018271) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	THNSL2 (NM_018271) Human Tagged ORF Clone Lentiviral Particle
Symbol:	THNSL2
Synonyms:	SOFAT; THS2; TSH2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018271
ORF Size:	1452 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209049).
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_018271.3</a>
RefSeq Size:	2150 bp
RefSeq ORF:	1455 bp
Locus ID:	55258
UniProt ID:	<a href="#">Q86YJ6</a>
Cytogenetics:	2p11.2
MW:	53.9 kDa



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**Gene Summary:**

This gene encodes a threonine synthase-like protein. A similar enzyme in mouse can catalyze the degradation of O-phospho-homoserine to a-ketobutyrate, phosphate, and ammonia. This protein also has phospho-lyase activity on both gamma and beta phosphorylated substrates. In mouse an alternatively spliced form of this protein has been shown to act as a cytokine and can induce the production of the inflammatory cytokine IL6 in osteoblasts. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]