

Product datasheet for **RC215029L4V**

TARSL2 (TARS3) (NM_152334) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TARSL2 (TARS3) (NM_152334) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TARS3
Synonyms:	TARSL2; ThrRS-L
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_152334
ORF Size:	2406 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215029).
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_152334.2
RefSeq Size:	3300 bp
RefSeq ORF:	2409 bp
Locus ID:	123283
UniProt ID:	A2RTX5
Cytogenetics:	15q26.3
Domains:	tRNA-synt_2b, HGTP_anticonodon
Protein Pathways:	Aminoacyl-tRNA biosynthesis



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MW: 92.6 kDa

Gene Summary: Catalyzes the attachment of threonine to tRNA(Thr) in a two-step reaction: threonine is first activated by ATP to form Thr-AMP and then transferred to the acceptor end of tRNA(Thr). Also edits incorrectly charged tRNA(Thr) via its editing domain, at the post-transfer stage. [UniProtKB/Swiss-Prot Function]