

## Product datasheet for **RC201261L2V**

### Arginyl tRNA synthetase (RARS) (NM\_002887) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Arginyl tRNA synthetase (RARS) (NM_002887) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RARS1
Synonyms:	ArgRS; DALRD1; HLD9; RARS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002887
ORF Size:	1980 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201261).
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_002887.3</a>
RefSeq Size:	2154 bp
RefSeq ORF:	1983 bp
Locus ID:	5917
UniProt ID:	<a href="#">P54136</a>
Cytogenetics:	5q34
Domains:	tRNA-synt_1d, N-Arg
Protein Families:	Druggable Genome



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**Protein Pathways:** Aminoacyl-tRNA biosynthesis

**MW:** 75.4 kDa

**Gene Summary:** Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Arginyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. [provided by RefSeq, Jul 2008]