

Product datasheet for **RC201089L4V**

valyl tRNA synthetase (VARS) (NM_006295) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	valyl tRNA synthetase (VARS) (NM_006295) Human Tagged ORF Clone Lentiviral Particle
Symbol:	valyl tRNA synthetase
Synonyms:	G7A; NDMSCA; VARS; VARS2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006295
ORF Size:	3792 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201089).
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_006295.2
RefSeq Size:	4308 bp
RefSeq ORF:	3795 bp
Locus ID:	7407
UniProt ID:	P26640
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome
Protein Pathways:	Aminoacyl-tRNA biosynthesis, Valine, leucine and isoleucine biosynthesis



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MW: 140.5 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. The protein encoded by this gene belongs to class-I aminoacyl-tRNA synthetase family and is located in the class III region of the major histocompatibility complex. [provided by RefSeq, Jul 2008]