

Product datasheet for **RC202932L3V**

Methionyl tRNA synthetase (MARS) (NM_004990) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Methionyl tRNA synthetase (MARS) (NM_004990) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Methionyl tRNA synthetase
Synonyms:	CMT2U; ILFS2; ILLD; MARS; METRS; MRS; MTRNS; SPG70
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004990
ORF Size:	2700 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202932).
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_004990.2
RefSeq Size:	2932 bp
RefSeq ORF:	2703 bp
Locus ID:	4141
UniProt ID:	P56192
Cytogenetics:	12q13.3
Domains:	WHEP-TRS, tRNA-synt_1, GST_C



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Protein Families:	Druggable Genome
Protein Pathways:	Aminoacyl-tRNA biosynthesis, Selenoamino acid metabolism
MW:	101.1 kDa
Gene Summary:	This gene encodes a member of the class I family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. The encoded protein is a component of the multi-tRNA synthetase complex and catalyzes the ligation of methionine to tRNA molecules. [provided by RefSeq, Jan 2011]