

## Product datasheet for **RC207360L2V**

### **DARS2 (NM\_018122) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	DARS2 (NM_018122) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DARS2
Synonyms:	ASPRS; LBSL; MT-ASPRS; mtAspRS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_018122
ORF Size:	1935 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207360).
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_018122.3</a>
RefSeq Size:	3187 bp
RefSeq ORF:	1938 bp
Locus ID:	55157
UniProt ID:	<a href="#">Q6PI48</a>
Cytogenetics:	1q25.1
Domains:	GAD, tRNA-synt_2
Protein Pathways:	Aminoacyl-tRNA biosynthesis



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**MW:** 73.4 kDa

**Gene Summary:** The protein encoded by this gene belongs to the class-II aminoacyl-tRNA synthetase family. It is a mitochondrial enzyme that specifically aminoacylates aspartyl-tRNA. Mutations in this gene are associated with leukoencephalopathy with brainstem and spinal cord involvement and lactate elevation (LBSL). [provided by RefSeq, Nov 2009]