

Product datasheet for **RC200391L4V**

DARS (DARS1) (NM_001349) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DARS (DARS1) (NM_001349) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DARS1
Synonyms:	aspRS; DARS; HBSL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001349
ORF Size:	1503 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200391).
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_001349.2
RefSeq Size:	2322 bp
RefSeq ORF:	1506 bp
Locus ID:	1615
UniProt ID:	P14868
Cytogenetics:	2q21.3
Domains:	tRNA-synt_2, tRNA_anti
Protein Pathways:	Aminoacyl-tRNA biosynthesis



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MW: 57 kDa

Gene Summary: This gene encodes a member of a multienzyme complex that functions in mediating the attachment of amino acids to their cognate tRNAs. The encoded protein ligates L-aspartate to tRNA(Asp). Mutations in this gene have been found in patients showing hypomyelination with brainstem and spinal cord involvement and leg spasticity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]