

Product datasheet for RC200391L3V

OriGene Technologies, Inc.

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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-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

ACCN: NM_001349

ORF Size: 1503 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC200391).

Sequence:

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.

RefSeg: NM 001349.2

 RefSeq Size:
 2322 bp

 RefSeq ORF:
 1506 bp

 Locus ID:
 1615

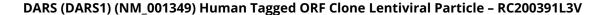
 UniProt ID:
 P14868

Cytogenetics: 2q21.3

Domains: tRNA-synt_2, tRNA_anti

Protein Pathways: Aminoacyl-tRNA biosynthesis





ORIGENE

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]