

Product datasheet for **SC208300**

DARS1 (NM_001349) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DARS1 (NM_001349) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	DARS1
Synonyms:	aspRS; DARS; HBSL
ACCN:	NM_001349
Insert Size:	1465 bp



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Insert Sequence: >SC208300 3'UTR clone of NM_001349
The sequence shown below is from the reference sequence of NM_001349. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTCGTGATCCCAAACGACTCACTCCTAAATTACACTTTGCCACTTAACTCCAGTGTGGATGACAGA
GCGAGACCCTGCCTCAAAAAAAAAAAAAAAAAAGAAAGCCACACTTATTCTTTTCAGTAACCTGCTAG
TGCACAGGCTGTACTTTAGTACTTAAAAATATGCACTAGAATAAAATTTGCAAGGCCCTAAAAATCACT
GTTATTTTGGAGTAATTCAGTATAGGTTCTGTTAAAAGAGATTTTATAACTTCAGACATGCATCAGT
AGGAAATAACTTGAGAAATTCATATGGTTATGTTACAAATTCATATTCTGTTACTACAGTAAACGTTAA
GAGTTTTAAACAGTTAAGATTGTACAATTTTTCTCTTTTCTATATTACAAGGCCCCAGTGTAAATGT
CTTAGATTTTCAGTATTTGAACCTATTTTTTAAATTCGTGCATTGAGATAAGAATAATTCAGGTAGCA
TCTGAAATTTTAAATGAATGTATAATTGGCATATCATGGAAAATTAACCAGAAAGTATCAGTTCCTAAAA
GTTATGCCTAGAAATTATGTAAAGCTAAACTACTGGTTAGAAAAGTATTCAGTGTAAATATTGTATTAATT
TGTTAAATTTCTAAACTTGAATTTCAATAAAATTTTAAAGCTAATTGTAGTTTTGTGTAACCTTTGTGGC
CAACTGATTTTGTAAAGTGGTGTAGGCATTCAATTTGGTAAAAGAAAAATACACAACCTAGTTTATA
TAAATAAGACTAATATGTTGTCAACATGTATTCAATTCAGGATATTAGTTTAGTGGGCGTAGGGATA
GAGCTCTTAAAGTTGACAGCTTGGGTCGGTTGACAGAGTTCATTTACATGGGTTAAAATATATTGCAG
AATTTTGTGTTGATTTTAACTGGAATGGTACTGATACTTAGTGAATGTCAGTAAAATCCAGTCCCATCT
TATCCGTCAAAAAGAAAATTTTGTGAAGAATTAGTTAGAACACTTTCCCTCTAGATTATTACAAATG
TTGATGCTAATGTTAATTTTACATGACCACAAATATTGGGGAGGAACAAAACATAACATATTTTGTAC
AGGAAGAAAAAATTACATGCAGAAAAAATATGAGGGTCAAAAAGTTAGGAAGTTACCCCTGGACCACGAA
CATCTGCCATTATGTTTAAAAGTTAAAGGGGTGTTTACCATCTATATTGTACAGTCTTTGAAAGTTT
AGATTCAGTTCCTATTTTTTCTTTTATCCTACCAGAAATACCTTAAATATAGAAGGCACCCCAAAAG
TATTTTCAATTTAATCCACAGCAAGAATAAAATATCCATCTTCTATAGTGTGTAATTGCTAGACCCTA
AAATAGTACAATAATATTGGCCCTAGAGCTGTTCTTAATTTTCATGTAATTATAGCTTGTTCAAAATAA
AGTTTGTAAAGTCTTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001349.4](#)

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]

Locus ID: 1615

MW: 57.3