

Product datasheet for **MC217054**

Dars (NM_177445) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dars (NM_177445) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dars
Synonyms:	5730439G15Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217054 representing NM_177445
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGCACCAACGCCAGCCGTAAGGGTCAGGAGAAGCCGCGGAGATCGTGGACGCGCGGAAGATT
 ATGCTAAAGAGAGATATGGGATATCTTCTATGATACAATCACAAGAAAAGCCAGATAGAGTTTTGGTTCG
 AGTTAAGGACCTGACAGTTCAAAAAGCTGATGATGTTGTTGGGTCCGTGCAAGAGTTCATAACAAGCAGA
 GCAAAAAGGAAGCAGTGCTTCTTAGTCCTGAGGCAGCAGCAGTTAATGTCCAGGCTCTTGTCGGCGTGG
 GAGACCATGCAAGCAAGCAGATGGTAAATTTGCTGCCAACATCAACAAAGAAAGTATTATTGACGTAGA
 AGGTGTTGTGAGGAAAGTCAATCAGAAAATTGGAAGCTGTACCCAGCAGGATGTTGAGTTGCATGTCCAG
 AAGATTTATGTGATCAGCTTGGCTGAACCTCGCCTGCCCTGCAGCTGGATGATGCCATTCGGCCTGAAG
 TGAAGGAGAAGAGGACGAAGAGCTACGGTTAACAGGATACAAGATTAGACAACAGAGTCATTGACCT
 TAGGACATCAACTAGTCAGGCCATCTCCGTCTCCAGTCCGGCATCTGCCATCTCTCCGAGAACTTTA
 ATTAACAAAGTTTTGTGAAATCCAAACTCCTAAAATAATTCAGCTGCCAGTGAAGGAGGAGCCAATG
 TTTTACTGTGCTCTATTTAAAAATAATGCCTACCTTGCTCAGTCTCCACAATTGTATAAGCAGATGTG
 CATTTGTGCTGATTTTGAGAAGTTTTCTGCATTGGACAGTTTTTCAGAGCTGAAGACTCCAATACCCAT
 AGACATCTGACTGAATTTGTTGGTTTGGATATTGAAATGGCCTTAATTATCATTACCATGAAGTTGTAG
 AAGAGATTGCTGACACTTTGGTGCAATATTCAAAGGACTTCAAGAAAGGTTTCAGACTGAAATTCAAAC
 TGTGAGTAAACAGTCCCATGTGAGCCGTTCAAATTTTGGAGCCAACCTTAAGACTGGAGTATTGCGAG
 GCTTTGGCAATGCTTAGAGAAGCTGGAGTTGAAATGGACGATGAGGAAGATCTAAGTACACCAAAATGAAA
 AACTGTTGGTTCGTTTGGTGAAGGAAAAGTATGATACAGACTTTTATGTTCTTGATAAATATCCATTGGC
 TGTAAAGACCTTTCTATACCATGCCTGACCAAGAATCCGAAACAGTCCAACCTTACGATATGTTTCATG
 AGAGGAGAAGAAATATTGTCTGGAGCACAAAGAATCCATGATCCTCAGTTGCTTACAGAGAGAGCTTTAC
 ACCATGGAATTGATTTGGAGAAAATCAAAGCTTACATTGATTCTCCGCTTTGGAGCTCCTCCTCATGC
 TGGTGGTGGCATTGGGCTGGAAGGGTGACGATGCTGTTTTAGGATTGCATAACGTACGCCAGACCTCA
 ATGTTCCCTCGTGACCCCAAACGACTCACGCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177445

Insert Size: 1506 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_177445.5](#), [NP_803228.2](#)

RefSeq Size: 2249 bp

RefSeq ORF: 1506 bp

Locus ID: 226414

UniProt ID: [Q922B2](#)

Cytogenetics: 1 E3

Gene Summary: Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).