

Product datasheet for **MC212782**

Dars (NM_145507) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dars (NM_145507) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dars
Synonyms:	5730439G15Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC212782 representing NM_145507 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGCACCAACGCCAGCCGTAAGGGTCAGGAGAAGCCGCGGGAGATCGTGGACGCGCGGAAGATT
ATGCTAAAGAGAGATATGGGATATCTTCTATGATACAATCACAAGAAAAGCCAGATAGAGTTTTGGTTCC
AGTTAAGGACCTGACAGTTCAAAAAGCTGATGATGTTGTTGGGTCCGTGCAAGAGTTTCATACAAGCAGA
GCAAAAGACTGGGAACCTACCGACCGTTTGTCTTTCTCTTTTAACTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_145507
Insert Size:	264 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).



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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_145507.2](#), [NP_663482.2](#)

RefSeq Size: 702 bp

RefSeq ORF: 264 bp

Locus ID: 226414

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 (2) differs in the 3' UTR and includes an alternate 3' exon, but it lacks several exons in the 3' coding region compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.