

Product datasheet for **RN207016**

Dars (NM_053799) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dars (NM_053799) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dars
Synonyms:	aspRS; DRS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207016 representing NM_053799
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCAGCGCCAACGCCAGCCGTAAGGGTCAGGAGAAGCCGCGGAGATCGTGGACCGCGGAAGATT
ATGCTAAAGAGAGATATGGGGTATCCTCTATGATACAATCACAAGAAAAACCAGATAGAGTGTGGTTCG
AGTTAAGGATCTGACAGTACAAAAGCTGATGAGGTTGTTGGGTCCGTGCAAGAGTTCATACAAGCAGA
GCAAAAGGAAGCAGTGTCTTCTAGTCCTGAGGCAGCAGCAGTTAATGTCCAGGCTCTTGTGGCGGTGG
GAGACCATGCAAGCAAGCAGATGGTGAATTTGCTGCCAACATCAACAAAGAAAGTATTATTGACGTAGA
AGGCATTGTGAGAAAAGTAAATCAGAAAATTGGAAGCTGTACACAGCAGGATGTTGAGTTGCACGTCCAG
AAGATTTATGTGATTAGCTTGGCTGAGCCTCGCCTGCCCTTGACGCTGGATGATGCCATTCGGCCTGAGG
TGAAGGAGAAGAGGACGGGAGAGCTACCGTTAACCAAGATACAAGATTAGACAACAGAATCATTGACCT
TAGGACATCAACCAGCCAGGCCATCTTCCATCTCCAGTCCGGCATTGGCCATCTCTCCGAGAAACGTTA
ATTAACAAAGGTTTTGTGAAATCCAGACTCCTAAAATAATTCAGCTGCCAGCGAAGGAGGAGCCAATG
TTTTACTGTGCTTATTTTAAAAGTAATGCCTACCTCGCTCAGTCTCCACAGCTATATAAGCAGATGTG
CATTTGTGCTGATTTTGAGAAGGTTTTCTGCATTGGGCCAGTTTTCAGAGCTGAAGACTCCAATACCCAT
AGACATCTGACTGAATTTGTTGGTTTGGATATTGAAATGGCCTTAATTATCATTACCATGAAGTTGTAG
AAGAGATCGCTGACACTTTGGTGCAAATATTCAAAGGACTTCAAGAAAGGTTTCAGACTGAAATCCAAC
TGTAACAAACAGTTCCCATGTGAGCCGTTCAAATTTTGGAGCCAACCTTAAGACTGGAGTATTGTGAG
GCTTTGGCTATGCTTAGAGAAGCCGGAGTTGAAATGGACGATGAGGAAGATCTGAGTACACCAAATGAAA
AACTTTGGTGGTGGTGAAGGAAAAGTATGATACAGACTTTTATGTTCTTGATAAATATCCATTGGC
TGTAAGACCTTTCTATACCATGCCTGACCCAAGAAATCCTAAGCAGTCCAACCTTACGATATGTTTCATG
AGAGGAGAAGAAATATTGTCTGGAGCACAAAGAATACATGATCCTCAGTTGCTTACAGAGAGAGCTTAC
ACCATGGAATTGATTTGGAGAAAATAAAAGCTTACATTGATTCCCTCCGCTTTGGAGCCCCTCCTCACGC
TGGTGGCGGCATTGGGTTGGAAGAGTGACGATGCTGTTTTAGGATTGCATAATGTACGTCAGACCTCA
ATGTTCCCTCGTGACCCGAAGCGACTCACGCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053799

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_053799.3](#), [NP_446251.1](#)

RefSeq Size: 2159 bp

RefSeq ORF: 1506 bp

Locus ID: 116483

UniProt ID: [P15178](#)

Cytogenetics: 13q13

Gene Summary: the catalytic domain of rat liver aspartyl-tRNA synthetase [RGD, Feb 2006]