

Product datasheet for **MR209779**

Dars2 (NM_172644) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dars2 (NM_172644) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dars2
Synonyms:	5830468K18Rik; aspRS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR209779 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATCTTGGTTTTTGGTTAAGTCGTCTATGCAGGGTTTATCCAGACCCATCGGGAAGACCATGCGGC
 CAATCTGGGGTTCTCTTTCCAGAAATCTGGCGTTGAGTTCACAAAGAATTCAGAATTCAGTAGCTTTGT
 TGCTCGGACCAACACATGTGGAGAGTTGCGTTCGTCCCACTTAGGCCAAGAAGTCACTCTGTGTGGATGG
 GTTCAGTACCGCAGGCAGAACACCTTCTTAGTCCTAAGAGATTGCCACGGCCTTGTTCAGATTCTCATT
 CCCAGGATGAGTCAGCCGCATCTGTGAGGGGATTTTGTGTGAAGCCCTGTGGAGTCTGTGGTGAAGT
 ATCTGGGACAGTAATCTCCCGTCTCCAGGACAAGAGAATCCGAAAATGCCGACGGGTGAGATTGAAATC
 AAAGTTAAACAGCTGAGCTCCTGAATGCCTGCAAAAAGCTGCCCTTTGAGATTAAGACTTTGTGAAGA
 AAACAGAGGCGCTCCGTTTGCAGTATCGCTACTTAGATCTGCCAGCTTCCAGATGCAGTACAATTGCG
 GCTGAGGTCGAGATGGTCATGAAAATGCGGGAATATCTCTGTAATCTGCACGGGTTTGTGGATATAGAA
 ACCCCAACCTTGTTAAGAGGACCCCTGGAGGTGCCAAGGAGTTTTTAGTACCATCCAGGGAACCTGGAA
 AGTTTTATTCCCTCCCTCAAAGTCTCAGCAATTTAAGCAGCTTCTGATGGTTGGAGGTTTAGACAGGTA
 TTTTCAGTGCCTCGGTGTACCGAGATGAAGGCTCAAGACCCGATAGACAGCCAGAGTTCACTCAGATT
 GACATAGAGATGCTCTTTGTAGAGCAGACTGGCATTACAGCGTTTGTGAGGGTTTGTGTCAGTATTCT
 GGCCTGGTGATAAAGACCCTCTAGTGACTCCTTTCCCTCCATGACTTTTGTGAGGCACTGGCCACCTA
 TGGAACTGATAAGCCAGATACTCGCTTTGGGATGAAGATTGTGGATGTCAGTGTGTTTCAGAAACACA
 GAGCTCAGATTCCTTCAGGATGCACTGGCTAAGCCCAAGGAAGTCAAAGCAATATGTGTTTCATGACG
 GAGCGAAATACTTAAGGAAGGAAGACATTGAGTTCATTAGGAAGTTTGCAGTTCACCATTTAGTCAGGA
 AGTCTACCTATATTCTGAATGCCAAGAAGAAGTGGAGTTCGCCATTTGCTAAGTTCATAATGGAGGAG
 GAAAGACTGGAATTGGCCAGATCGATGGAGATACAAGAAGAAGACATAGTGTACTGACTGCTGGGGAAC
 ATGAGAAAGCATGCTCTCTGTTGGGAAAGTTACGGCTAGAGTGTGCAGACCTTTTGGAGATGAGAGGAGC
 GGTGCTCCGAGACCCAGCAGTGTCTCTTTTCTTTGGGTGGTTGACTTTCCACTCTTCTTGCCAAGGAA
 GAGAGTCCACAGAGCTGGAGTCAGCCATCACCCATTTACTGCTCCTAACTCCAGTGCATTACCTCC
 TCTATACTGAGCCGAAAAGGTTCTGGCCAACACTATGACTTGGTTTTAAACGGCAATGAGATAGGAGG
 TGGTTCTGCCGAATCCATGATGCACAGCTACAGAGGTACATCCTGAAACACTGCTAAAGGAAGATGTG
 AAATTGCTTTCCATCTGCTTCAGGCTTTAGACTATGGGGCACCCACACGGAGGAATTGCCTTAGGGT
 TAGACAGACTGGTATGTCTTGTACGGGAGCACCCAGCATCAGAGATGTCATAGCCTTCCCTAAATCCTA
 CCGAGGACAGGACCTTATGAGCAATGCTCCAGACTCCGTGTCTCCAGAAGAGCTGAAGCCTTACCATATC
 CAGTCTTGTGGCCAGCAGACTCAGAAGAGGAGAGTGCATCCGCCACACCTTCCAAACACTTGAGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209779 protein sequence
Red=Cloning site Green=Tags(s)

MYLGFWLSRLCRGLSRPIGKTMRPIWGSLSRNLALSSQRIPEFSSFVARTNTCGELRSSHLGQEVTLCGW
 VQYRRQNTFLVLRDCHGLVQILIPQDESAASVRGILCEAPVESVVRVSGTVISRPPGQENPKMPTGEIEI
 KVKTAELLNACKKLPEIKDFVKKTEALRLQYRYLDRSFQMQYNLRLRSQMVMKMREYLCNLHGFVDIE
 TPTLFRKTPGGAKEFLVPSREPGKFYSLPQSPQQFKQLLMVGGLDRYFQVARCYRDEGSRPDRQPEFTQI
 DIEMSFVEQTGIQRLVEGLLQYSWPGDKDPLVTPFSPMTFAEALATYGTDPDRFGMKIVDVSDVFRNT
 ELRFLQDALAKPQGTVKAICVHDGAKYLRKEDIEFIRKFAVHHFSQEVLPILFNAKKNWSSPFAKFIEMEE
 ERLELARSMEIQEEDIVLLTAGEHEKACSLGKLRLECADLLEMRAVLRDPAVFSFLWVDFPLFLAKE
 ESPTELESAHHPFTAPNSSDIHLLYTEPEKVRGQHYDLVINGNEIGGGSARIHDAQLQRYILETLKEDV
 KLLSHLLQALDYGAPPHGGIALGLDRLVCLVTGAPSIRDVIAFPKSYRGQDLMSNAPDSVSPPEELKPYHI
 HVLWPADESEESATPSKHLSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_172644

ORF Size: 1962 bp

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.

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_172644.1](#), [NM_172644.2](#), [NM_172644.3](#), [NM_172644.4](#), [NP_766232.1](#)

RefSeq Size: 3581 bp

RefSeq ORF: 1962 bp

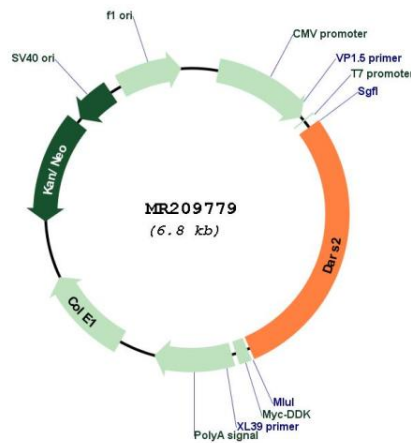
Locus ID: 226539

UniProt ID: [Q8BIP0](#)

Cytogenetics: 1 H2.1

MW: 74 kDa

Product images:



Circular map for MR209779