

Product datasheet for **MC205859**

Ddo (NM_027442) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddo (NM_027442) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddo
Synonyms:	5330420D20Rik; 5730402C02Rik; AI467244
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC027312
 CTCCGGTGGATACCAGACTGCTTTTTTCAGAGACAGGCCATGGACACAGTGTGATTGCGGTGCTGGAGC
 TGGCGTGATAGGGCTGTCTACTGCAGCATGCATTTCCCAACTGGTTCCCGGATGCACCGTCACTGTCATC
 TCAGACAGGTTCACTCCTGATACCACAGTAATGTAGCGGCTGGGATGCTTATTCCTCACACGTATGCAG
 ATACCCCGGTGCCACGCAGAAGCGATGTTTTAGAGAGACCTTCGAGCATCTTTCTGAAATCGCCAAGTC
 TGCAGAGGCTGCAGATGCGGGTGTTCACCTGGTATCTGGTTGGCAGATATCCGACGCGTCCCGCTGAA
 GAAAGTGCCTTTCTGGGCTGATGTGGTGTGGGATTTTCAAAGATGACAGAGGCTGAGCTGAAGCGGTTCC
 CTAGTATGTGTTTGGCCAGGCTTTTACAACCCTGAAGTGCAGACTTCTGCCTACCTCCCGTGGCTGGA
 GAGAAGGATAAAGGGGAGTGGAGGTCTGCTACTACCAGGAGAATAGAAGACCTGTGGGAGCTGCAGCCA
 TCTTTTGATATCGTGGTCAATTGCTCAGGCCTGGGAAGCCGGCGACTTGTAGGTGACCCCATGATTTCC
 CGGTAAGGGGCCAGGTGCTCCAGGCACGGGCCCTGGTGAAGCATTTCATCCGAGATGGGGGCGGGCT
 GACTTATGTTTACCCTGGTATGTCCTATGTAACCCTGGGAGAACTAGACAGAAAGGAGACTGGAATCGA
 TCCCCAGATGCAGAACTTAGCAGAGAGATTTTTCTCGATGCTGCACTCTCGAGCCTTCCCTCCACAGAG
 CCTACGACATAAAGAGAAAAGTGGGGCTGAGGCCAGCAGGCCAGGTGTGCGGCTGCAGAAGGAGATCCT
 AGTCCGGGACAACAGACGCTGCCTGTGGTCCACAACCTACGGCCACGGGAGTGGGGGCATCTCTGTGCAT
 TGGGGCTCTGCTCTGGAAGCCACCAGGCTGGTGTGAGTGTATCCATACCTCAGGACCCCTGTTCTCT
 TGTGCAAGCTGTAGCTGACACCAAGTAACAGCAGCTAATCCAGGTGATATGGGTCAAAGCACAATTTAAG
 GTCCGTAACCTGGGTCTCGTAACCTTTCATACTGCTTGAACGTTGAGTCTGACCTTCTTTGTTTTACGCA
 TGAGTATCAGTAGACTTAGAAAGCTTGTGAGTATGACACAGAACACAAAGCTCGGTTTTGTCAAATA
 TGTGCTATTTAAAAAATACTTGTCTATGGGGTAGATTTGGGGAGGATCGAATGCTAACTTATGAAATGA
 TGTAAGCGATAGGGAGTTCATATTTTTGGCTCAGAAGCACATAAGCACATAAGAGAAGATTAATGTGTGA
 GAAATATACTTGGCTCCCTGTGAGCCCTAGAGCTGTGCATGATCCTCTCAGGTCATAGAGCCAACAGAGG
 AAGTTATCATCCAGTAGATGGGACCACACAGTGTGGACCCAGGTATTTAACCAAGGGTAGGCAGCAGC
 AGCTTCCACAGCCAGCTGGTATTCATGGTAGCTGACAGAGGTGGAGTTGCCCTCGAAGGCTGCGCCAAT
 TTTGGAGCAACTTTGTGCTGTTTTGTTGTTTCTGGGACCAAACCTAACAGAAACAACCTAAAGCATT
 GCTCATAGCTGAAGCCATAGCGCCAGGGAGGGCCTTGTAGAACAGAGCTGTTCAACTCACATCTGCAAG
 AAAGCAGTGTGAACAGGTAGCAGGGCAGATGGGGTACAGTGTCTAAGCACTCATTCCCAGTTGTCTACT
 CCCCCTCCCAACTTCTCCTATACCTCTACCATCTCCCAACAGTTCATTTAATTCTCAAATCTGTCCTG
 GGATTGAGTCATCGATTAGGTCATCCATATCTAGAAACACCTTCAGCCCCACCAAAGGGCGGGCTTAC
 GTCTGTCTTAAGCAATCCCCTATCTTGTCAAGCTGCCAGGAGGGATTTACCATAGCAATCGTGGAGGCTG
 CATACTTCAATACCACAAATGATCAAGAGCTGCTGACTGCGCAGTGAATGAGCACTGTTGGAGACTGAAT
 CGTCTATGCGACCAAGGAGCTAATTTGCTAATGGAGACGGAACAATCATTTTTTTAAATGACATACGACA
 CAAAGTGTTCATGTCGAAGTATTGGGGAGAAAGGGAATGTGCTTGTGATAATGTAAGTTTAGAATTGC
 TGAGTTGAATAATTTTACCTGGCTCCCTAACTCAGGCTACTCAGAACCTTTACCGTCCCGTTCATTGT
 AGGTCCTCGGGAGGGTTTTTGGCCTGGGAGAAGATTGTTGTTGAAGTAAGCAATCCTGGAGCAGGGATG
 TCATTACATTTTGGAGAGAAGTACTTTTTTTGTTATTGAATAATAAAGCCTGTTTTTGAACCTCAAAAAA
 AA

Restriction Sites: RsrII-NotI

ACCN: NM_027442

Insert Size: 1026 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: [BC027312](#), [AAH27312](#)

RefSeq Size: 2505 bp

RefSeq ORF: 1026 bp

Locus ID: 70503

UniProt ID: [Q922Z0](#)

Cytogenetics: 10 B1

Gene Summary: Selectively catalyzes the oxidative deamination of D-aspartate and its N-methylated derivative, N-methyl D-aspartate.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1).