

Product datasheet for **MR227149**

Eno1 (NM_023119) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eno1 (NM_023119) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eno1
Synonyms:	0610008I15; AL022784; Eno-1; MBP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227149 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTATTCTCAGGATCCACGCCAGAGATCTTTGACTCCCCTGGGAATCCCCTGTTGAGGTCGATC
 TGTACACCGCAAAAGGTCTCTCCGAGCTGCGGTGCCAGCGGTGCGTCCACTGGCATCTACGAGGCCCT
 AGAACTCCGAGACAATGATAAGACCCGCTTCATGGGAAGGGTGTCTCACAGGCTGTTGAGCACATCAAT
 AAAACTATTGCGCCTGCTCTGGTTAGCAAGAAAGTGAATGTTGTGGAGCAAGAGAAGATTGACAAGCTGA
 TGATCGAGATGGACGGCACAGAGAATAAATCTAAATTTGGTGCAAATGCCATCCTGGGAGTGTCCCTGGC
 TGTCTGCAAAGCTGGTGCCGTGGAAAAGGGGTGCCCTTTACCGCCACATTGCTGACTTGGCCGGCAAC
 CCTGAAGTCATCCTGCCTGTCCCGCTTCAATGTGATCAACGGTGGTTCTCATGCTGGCAACAAGCTGG
 CCATGCAAGATTTCATGATCCTGCCTGTGGGGCATCCAGCTCCGGGAAGCCATGCGCATTGGAGCAGA
 GGTTTACCACAACCTGAAGAACGTGATCAAGGAGAAGTACGGGAAGGACGCCACCAATGTGGGTGATGAG
 GGTGGATTGCGACCTAACATCCTGGAGAACAAGAAGCACTGGAGCTGCTCAAGACTGCAATCGCAAAGG
 CCGGCTACACTGACCAGTTGTCATTGGCATGGATGTGGCTGCCTCCGAGTTCTACAGGTCTGGCAAGTA
 TGACCTGGACTTCAAGTCTCCGGATGACCCAGCAGGTACATCACTCCCGACCAGCTGGCTGATCTGTAC
 AAGTCCTTCGTCAGAACTACCCAGTGGTGTCCATCGAAGATCCCTTTGACCAGGACGACTGGGGCGCCT
 GGCAGAAGTTCACGGCTAGTGCGGGCATCCAGGTGGTGGGCGATGACCTCACAGTGACCAACCCTAAGCG
 GATTGCCAAGGCTGCGAGCGAGAAGTCTGCAACTGCCTTTGCTCAAAGTGAACCAGATCGGCTCTGTG
 ACCGAATCCCTGCAGGCGTGAAGCTGGCCCAATCCAATGGCTGGGGCGTATGGTGTCCACCGATCTG
 GGGAAACTGAGGACACTTTCATCGCAGACTGGTGGTGGGGCTCTGCACCTGGGCAGATCAAGACTGGTGC
 CCCTTGCCGATCCGAGCGCTGGCCAAGTACAATCAGATCCTCAGAATTGAGGAAGAGCTGGGCAGCAAA
 GCCAAGTTTGCTGGCAGGTCCTTCAGGAACCCCTGGCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227149 protein sequence
 Red=Cloning site Green=Tags(s)

MSILRIHAREIFDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDNDKTRFMGKGVSQAVEHIN
 KTIAPALVSKKVVVEQEKIDKLMIEMDGTENKSKFGANAILGVSLAVCKAGAVEKGVPLYRHIADLAGN
 PEVILPVPFNVINGGSHAGNKLAMQEFMILPVGASSFREAMRIGAEVYHNLKNVIKEKYGDATNVGDE
 GGFAPNILENKEALELLKTAIAKAGYTDQVIGMDVAASEFYRSGKYDLDFKSPDDPSRYITPDQLADLY
 KSFVQNYPVVSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAASEKSCNCLLLKVNQIGSV
 TESLQACKLAQSNWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQILRIEELGSK
 AKFAGRSFRNPLAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_023119

ORF Size: 1302 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

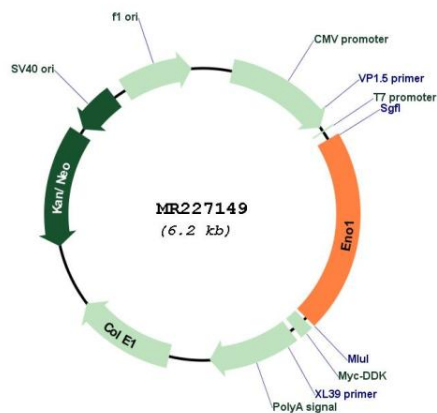
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_023119.2](#), [NP_075608.2](#)

RefSeq Size: 1831 bp
 RefSeq ORF: 1305 bp
 Locus ID: 13806
 UniProt ID: [P17182](#)
 Cytogenetics: 4 81.24 cM
 MW: 47.1 kDa

Product images:


Circular map for MR227149