

Product datasheet for **MC227678**

Eno3 (NM_001276285) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eno3 (NM_001276285) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eno3
Synonyms:	Eno; Eno-3; MSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227678 representing NM_001276285
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCATGCAAAAAATCTTCGCCCGGGAATCCTGGACTCCAGGGCAACCCACGGTGGAGTGGACC
 TGCACACAGCCAAGGGTCGATTCCGAGCAGCTGTGCCAGTGGAGCTTCCACGGGTATCTATGAAGCACT
 GGAAGTCCGAGATGGAGACAAAGCACGATACCTGGGAAAGGAGTGTGAAGGCTGTGGAACACATCAAC
 AAGACTCTAGGTCTGCTCTGCTGGAAAAGAACTAAGTGTGTGGATCAAGAAAAAGTTGACAAGTTCA
 TGATTGAGCTGGACGGGACCGAGAATAAGTCCAAGTTTGGGGCCAACGCCATCCTGGGTGTGTCCTGGC
 TGTCTGCAAGGCTGGAGCAGCTGAGAAAGGGTCCCTCTCTACCGACACATCGCAGATCTGCAGGCAAT
 CCCGACCTCGTACTCCCTGTGCCTGCCTTAAATGTGATCAACGGCGGCTCTCATGCTGGAACAAGCTGG
 CCATGCAGGAGTTCATGATTCTGCCAGTGGGAGCCAGCTTTTCAAGGAAGCCATGCGCATCGGCGCTGA
 GGTCTACCACCACCTCAAGGGGGTCATCAAGGCCAAGTATGGGAAGGACGCCACCAACGTGGGGGATGAG
 GGTGGCTTTGCACCAACATCCTGGAGAACAATGAGGCCCTGGAGCTGCTAAAGACAGCCATCCAGGCAG
 CCGGTTACCCGGACAAGGTGGTGTGATCGGCATGGATGTAGCTGCGTCTGAATTCTACCGCAACGGCAAGTA
 TGATCTGGACTTCAAGTCACCCGATGACCTGCCAGGCACATCAGTGGGAGAAGCTTGGGGAGCTGTAC
 AAGAACTTCATCCAGAATATCCCGTGGTCTCCATTGAGGACCCCTTTGACCAGGATGACTGGGCCACAT
 GGACCTCATTCTCTCTGGGGTGGACATCCAGATTGTGGGAGATGACCTCACGGTAACCAACCCCAAGAG
 GATTGCTCAGGCTGTGGAGAAGAAGCCCTGCAATTGCCTGCTCCTGAAGGTCAACCAGATCGGCTCCGTG
 ACGGAGTCCATCCAGGCCGTGAACTTGACAATCTAATGGCTGGGGAGTGTGGTGGAGCCACCGCTCTG
 GGGAGACCGAAGACACTTTCATCGCTGACCTTGTGGTGGGACTCTGCACAGGACAGATCAAGACTGGTGC
 TCCTGCGGTTTCAGAGCGTCTGGCAAAAATACAACCAGCTTATGAGGATTGAGGAGGCTCTTGGGGACAAA
 GCTGTCTTTGCTGGAAGAAAGTCCGTAATCCAAGGCCAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001276285
- Insert Size:** 1305 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001276285.1](#), [NP_001263214.1](#)

RefSeq Size: 1506 bp

RefSeq ORF: 1305 bp

Locus ID: 13808

UniProt ID: [P21550](#)

Cytogenetics: 11 43.21 cM

Gene Summary: This gene encodes one of the three enolase isoenzymes found in vertebrates. Enolase is a dimeric enzyme that converts 2-phosphoglycerate to phosphoenolpyruvate as part of the glycolytic pathway. This isozyme is found in skeletal muscle where it is involved in muscle development and regeneration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]
Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein.