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# Product datasheet for MR229889

## Eno3 (NM_001276285) Mouse Tagged ORF Clone

### Product data:

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

**ORF Nucleotide Sequence:**

>MR229889 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCATGCAAAAAATCTTCGCCCGGGAAATCCTGGACTCCAGGGGCAACCCCACGGTGGAGGTGGACC
TGCACACAGCCAAGGGTCGATTCCGAGCAGCTGTGCCCAGTGGAGCTTCCACGGGTATCTATGAAGCACT
GGAACTCCGAGATGGAGACAAAGCACGATACCTGGGGAAAGGAGTGCTGAAGGCTGTGGAACACATCAAC
AAGACTCTAGGTCCTGCTCTGCTGGAAAAGAAACTAAGTGTTGTGGATCAAGAAAAAGTTGACAAGTTCA
TGATTGAGCTGGACGGGACCGAGAATAAGTCCAAGTTTGGGGCCAACGCCATCCTGGGTGTGTCCCTGGC
TGTCTGCAAGGCTGGAGCAGCTGAGAAAGGGGTCCCTCTCTACCGACACATCGCAGATCTTGCAGGCAAT
CCCGACCTCGTACTCCCTGTGCCTGCCTTTAATGTGATCAACGGCGGCTCTCATGCTGGAAACAAGCTGG
CCATGCAGGAGTTCATGATTCTGCCAGTGGGAGCCAGCTCTTTCAAGGAAGCCATGCGCATCGGCGCTGA
GGTCTACCACCACCTCAAGGGGGTCATCAAGGCCAAGTATGGGAAGGACGCCACCAACGTGGGGGATGAG
GGTGGCTTTGCACCCAACATCCTGGAGAACAATGAGGCCCTGGAGCTGCTAAAGACAGCCATCCAGGCAG
CCGGTTACCCGGACAAGGTGGTGATCGGCATGGATGTAGCTGCGTCTGAATTCTACCGCAACGGCAAGTA
TGATCTGGACTTCAAGTCACCCGATGACCCTGCCAGGCACATCAGTGGGGAGAAGCTTGGGGAGCTGTAC
AAGAACTTCATCCAGAACTATCCCGTGGTCTCCATTGAGGACCCCTTTGACCAGGATGACTGGGCCACAT
GGACCTCATTCCTCTCTGGGGTGGACATCCAGATTGTGGGAGATGACCTCACGGTAACCAACCCCAAGAG
GATTGCTCAGGCTGTGGAGAAGAAGGCCTGCAATTGCCTGCTCCTGAAGGTCAACCAGATCGGCTCCGTG
ACGGAGTCCATCCAGGCCTGTAAACTTGCACAATCTAATGGCTGGGGAGTGATGGTGAGCCACCGCTCTG
GGGAGACCGAAGACACTTTCATCGCTGACCTTGTGGTGGGACTCTGCACAGGACAGATCAAGACTGGTGC
TCCCTGCCGTTCAGAGCGTCTGGCAAAATACAACCAGCTTATGAGGATTGAGGAGGCTCTTGGGGACAAA
GCTGTCTTTGCTGGAAGAAAGTTCCGTAATCCAAAGGCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

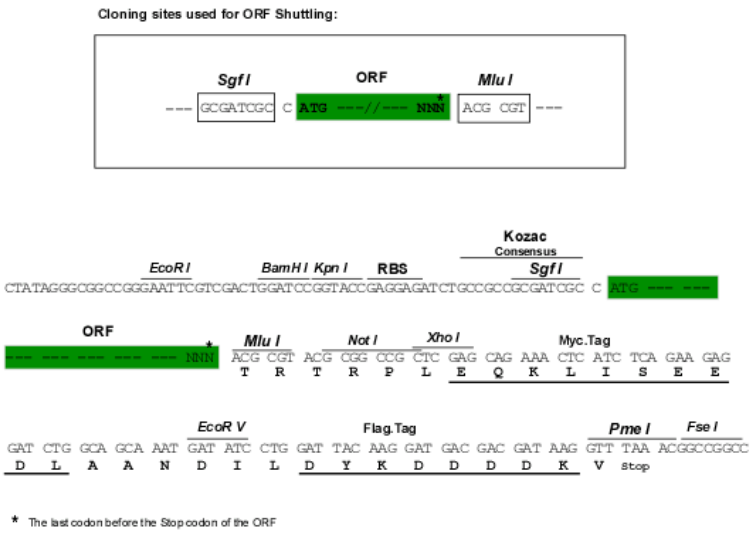
>MR229889 protein sequence
Red=Cloning site Green=Tags(s)

MAMQKIFAREILDSRGNPTVEVDLHTAKGRFRAAVPSGASTGIYEALELRDGDKARYLGKGVLKAVEHIN
KTLGPALLEKKLSVVDQEKVDKFMIELDGTENKSKFGANAILGVSLAVCKAGAAEKGVPLYRHIADLAGN
PDLVLPVPAFNVINGGSHAGNKLAMQEFMILPVGASSFKEAMRIGAEVYHHLKGVIKAKYGKDATNVGDE
GGFAPNILENNEALELLKTAIQAAGYPDKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHISGEKLGELY
KNFIQNYPVVSIEDPFDQDDWATWTSFLSGVDIQIVGDDLTVTNPKRIAQAVEKKACNCLLLKVNQIGSV
TESIQACKLAQSNGWGVMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIEEALGDK
AVFAGRKFRNPKAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_001276285

**ORF Size:** 1305 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_001276285.1, NP_001263214.1

**RefSeq Size:** 1506 bp

**RefSeq ORF:** 1305 bp

**Locus ID:** 13808

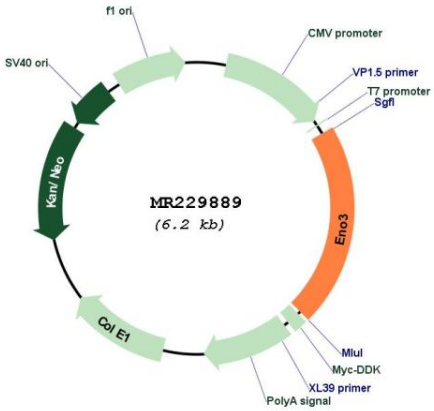
**UniProt ID:** P21550

**Cytogenetics:** 11 43.21 cM

**MW:** 47 kDa

**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]

## Product images:




Circular map for MR229889