

Product datasheet for **MG222148**

Eno3 (NM_001136062) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eno3 (NM_001136062) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eno3
Synonyms:	Eno; Eno-3; MSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222148 representing NM_001136062 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCATGCAAAAAATCTTCGCCCGGAAATCCTGGACTCCAGGGGCAACCCACGGTGGAGGTGGACC
TGCACACAGCCAAGGGTCGATTCGAGCAGCTGTGCCAGTGGAGCTTCCACGGGTATCTATGAAGCACT
GGAACCTCCGAGATGGAGACAAAGCAGTACCTGGGAAAGGAGTGTGAAGGCTGTGGAACACATCAAC
AAGACTCTAGGTCTGCTCTGCTGAAAAAGAACTAAGTGTGTGGATCAAGAAAAAGTTGACAAGTTCA
TGATTGAGCTGGACGGGACCGAGAATAAGTCCAAGTTTGGGCAACGCCATCCTGGGTGTCTCCCTGGC
TGTCTGCAAGGCTGGAGCAGCTGAGAAAGGGTCCCTCTCTACCGACACATCGCAGATCTTGACGGCAAT
CCCGACCTCGTACTCCCTGTGCCTGCCTTAAATGTGATCAACGGCGGCTCTCATGCTGGAACAAGCTGG
CCATGCAGGAGTTCATGATTCTGCCAGTGGGAGCCAGCTCTTCAAGGAAGCCATGCGCATCGGGCCTGA
GGTCTACCACCACCTCAAGGGGTTCATCAAGGCCAAGTATGGGAAGGACGCCACCAACGTGGGGGATGAG
GGTGGCTTTCACCCAACATCCTGGAGAACAATGAGGCCCTGGAGCTGCTAAAGACAGCCATCCAGGCAG
CCGGTTACCCGGACAAGGTGGTATCGGCATGGATGTAGCTGCGTCTGAATTCACCGCAACGGCAAGTA
TGATCTGGACTTCAAGTCAACCGATGACCCTGCCAGGCACATCAGTGGGAGAAGCTTGGGAGCTGTAC
AAGAATTCATCCAGAATATCCCGTGGTCTCCATTGAGGACCCCTTTGACCAGGATGACTGGGCCACAT
GGACCTATTCTCTCTGGGTGGACATCCAGATTGTGGGAGATGACCTCACGGTAACCAACCCCAAGAG
GATTGCTCAGGCTGTGGAGAAGAAGCCTGCAATTGCCTGCTCCTGAAGGTCAACAGATCGGCTCCGTG
ACGGAGTCCATCCAGGCCTGAAACTTGCAACAATCTAATGGTGGGAGTGTGGTGGAGCCACCGCTCTG
GGGAGACCGAAGACTTTCATCGCTGACCTTGTGGTGGGACTCTGCACAGGACAGATCAAGACTGGTGC
TCCCTGCCGTTCCAGAGCGTCTGGCAAAATACAACCAGCTTATGAGGATTGAGGAGGCTCTTGGGGACAAA
GCTGTCTTTGCTGGAAGAAAGTTCCGTAATCCAAAGGCCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222148 representing NM_001136062
 Red=Cloning site Green=Tags(s)

MAMQKIFAREILDSRGNPTVEVDLHTAKGRFRAAVPSGASTGIYEALERDGDKARYLGKGVLKAVEHIN
 KTLGPALLEKKLSVVDQEKVDKFMIELDGTENKSKFGANAILGVSLAVCKAGAAEKGVPLYRHIADLAGN
 PDLVLPVPAFNVINGGSHAGNKLAMQEFMILPVGASSFKEAMRIGAEVYHHLKGVIKAKYKDATNVGDE
 GGFAPNILENNEALELLKTAIQAAAGYDPKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHISGEKLGELY
 KNFIQNPVVSIEDPFDQDDWATWTSFLSGVDIQIVGDDLTVTNPKRIAQAVEKKACNCLLLKVNQIGSV
 TESIQAACKLAQSNWGMVMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIIEALGDK
 AVFAGRKFRNPKAK

TRTRPLE - GFP Tag - V

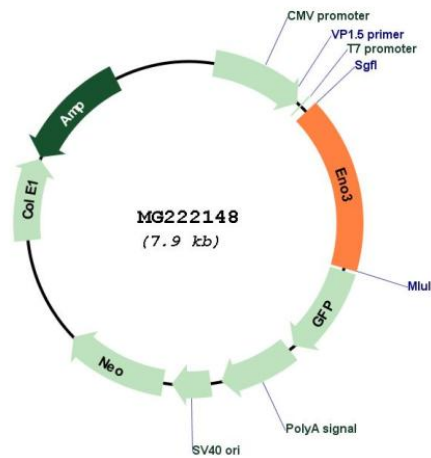
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001136062

ORF Size:	1302 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:	<ol style="list-style-type: none">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_001136062.2
RefSeq Size:	1440 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]