

Product datasheet for **RR216663**

Eno1 (NM_012554) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eno1 (NM_012554) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eno1
Synonyms:	Nne
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216663 representing NM_012554 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCATTCTCAAGATCCATGCCAGAGAGATCTTTGACTCCCGCGGAATCCCACCGTTGAGGTGGATC
TCTACACCGCAAAGGTCTTCCGTGCTGCGGTGCCAGCGGTGCGTCCACTGGCATCTACGAGGCCCT
AGAAGTCCGAGACAATGATAAGACCCGCTTCATGGGAAGGGTGTCTCAAAGGCTGTTGAGCACATCAAT
AAAATATTGCACCTGCTCTGGTTAGCAAGAACTGAATGTTGTGGAGCAGGAGAAGATTGACCAGCTGA
TGATCGAGATGGACGGCACAGAGAATAAATCTAAGTTTGGTGCAAATGCCATCCTGGGAGTGTCCCTGGC
TGTCTGCAAGGCTGGTGGCGTGGAGAAGGGGTGCCCTTTACCGTCACATTGCCGACTTGGCCGGCAAC
CCTGAAGTCATCCTGCCGTCCCAGCTTCAATGTGATCAACGGCGGTTCTCATGCTGGCAACAAGTTGG
CCATGCAAGAGTTCATGATCCTGCCTGTGGGGCATCCTTTCCGGGAAGCCATGCGCATTGGAGCAGA
GGTTTACCACAACCTGAAGAAGTCATCAAGGAGAAGTACGGGAAAGACGCCACCAATGTGGGTGATGAG
GGTGGATTGCGACCTAACATCCTGGAGAACAAGAAGCACTGGAGCTGCTCAAGTCTGCCATTGCAAAGG
CCGGCTACACTGACCAGTTGTGATCGGCATGGATGTGGCTGCCCTCCGAGTTCTACAGGGCTGGCAAGTA
TGACCTGGACTTCAAGTCTCCAGATGATGCCAGCCGGTACATCACACCCGACCAGCTGGCCGACCTGTAC
AAGTCTTTCATCAAGGACTACCCAGTGGTGTCCATTGAAGATCCCTTTGACCAGGACGACTGGGATGCTT
GGCAGAAGTTCACAGCTACTGCAGGCATCCAGGTGGTGGGGATGACCTCACAGTGACCAACCTAAGCG
GATCGCAAGGCTGCAGGCGAAAAGTCTGCAACTGCCTCCTGCTCAAAGTGAACCAGATTGGCTCTGTG
ACCGAGTCTGTCAGGCGTGTAACTGGCCAGTCCAATGGTGGGGTGTGATGGTGTCCATCGATCTG
GGGAGACTGAGGACCTTTCATTGCCGACCTGGTGGTGGGGCTGCACTGGGCAGATCAAGACTGGTGC
CCCCTGCCGATCTGAGCGCCTGGCCAAGTACAATCAGATCCTTAGAATCGAGGAGGAGCTGGCAGCAA
GCCAAGTTTCCCGCAGGTCCTTCAGGAACCCCTGGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216663 representing NM_012554
 Red=Cloning site Green=Tags(s)

MSILKIHAREIFDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDNDKTRFMGKGVSKAVEHIN
 KTIAPALVSKLNVVEQEKIDQLMIEMDGTENKSKFGANAILGVSLAVCKAGAVEKGVPL YRHIADLAGN
 PEVILPVPFNVINGGSHAGNKLAMQEFMILPVGASSFREAMRIGAEVYHNLKNVIKEKYGDATNVGDE
 GGFAPNILENKEALELLKSAIAKAGYTDQVVIGMDVAASEFYRAGKYDLDFKSPDDASRYITPDQLADLY
 KSFYKDYPPVVSIEDPFDQDDWDWQKFTATAGIQVVGGDLTVTNPKRIAKAAGEKSCNCLLLKVNQIGSV
 TESLQACKLAQSNWGMVMVSHRSGEETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQILRIEELGSK
 AKFAGRSFRNPLAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

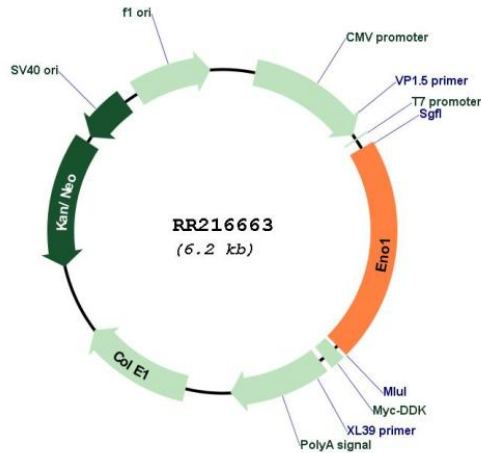
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012554

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_012554.3 , NP_036686.2
RefSeq Size:	1754 bp
RefSeq ORF:	1305 bp
Locus ID:	24333
UniProt ID:	P04764
Cytogenetics:	5q36
MW:	47.1 kDa
Gene Summary:	Multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. Stimulates immunoglobulin production.[UniProtKB/Swiss-Prot Function]