

Product datasheet for **RR200517**

Eno1 (NM_001109908) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eno1 (NM_001109908) 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: >RR200517 representing NM_001109908
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCATTCTCAAGATCCATGCCAGAGAGATCTTTGACTCCCGCGGAATCCCACCGTTGAGGTGGATC
 TCTACACCGCAAAGGTCTTCCGTGCTGCGGTGCCAGCGGTGCGTCCACTGGCATCTACGAGGCCCT
 AGAACTCCGAGACAATGATAAGACCCGCTTCATGGGAAGGGTGTCTCAAAGGCTGTTGAGCACATCAAT
 AAAACTATTGCACCTGCTCTGGTTAGCAAGAACTGAATGTTGTGGAGCAGGAGAAGATTGACCAGCTGA
 TGATCGAGATGGACGGCACAGAGAATAAATCTAAGTTTGGTGCAAATGCCATCCTGGGAGTGTCCCTGGC
 TGTCTGCAAGGCTGGTGGCGTGGAGAAGGGGTGCCCTTTACCGTCACATTGCCGACTGGCCGGCAAC
 CCTGAAGTCATCCTGCCGTCCAGCTTCAATGTGATCAACGGCGGTTCTCATGCTGGCAACAAGTTGG
 CCATGCAAGAGTTCATGATCCTGCCTGTGGGGCATCCTTTCCGGGAAGCCATGCGCATTGGAGCAGA
 GGTTTACCACAACCTGAAGAAGTCATCAAGGAGAAGTACGGGAAAGACGCCACCAATGTGGGTGATGAG
 GGTGGATTGCGACCTAACATCCTGGAGAACAAGAAGCACTGGAGCTGCTCAAGTCTGCCATTGCAAAGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR200517 representing NM_001109908
 Red=Cloning site Green=Tags(s)

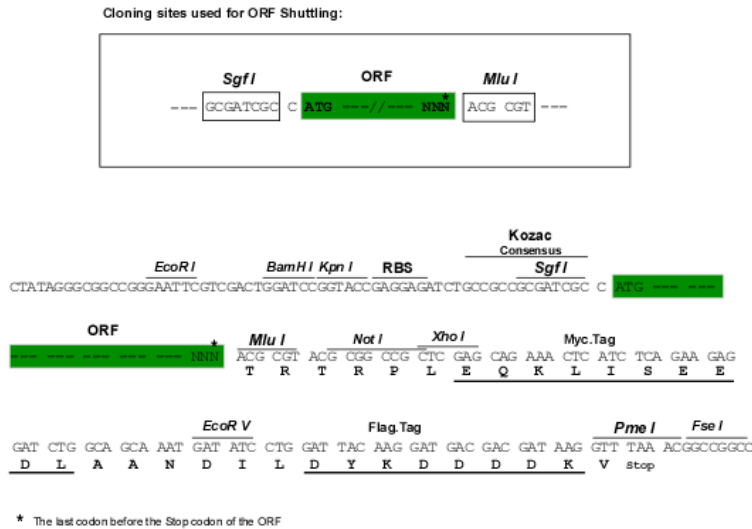
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 PEVILPVPFNVINGGSHAGNKLAMQEFMILPVGASSFREAMRIGAEVYHNLKNVIKEKYGDATNVGDE
 GGFAPNILENKEALELLKSAIAKAGYTDQVVIGMDVAASEFYRAGKYDLDFKSPDDASRYITPDQLADLY
 KSFYKDYPPVVSIEDPFDQDDWDWQKFTATAGIQVVGDLLTVTNPKRIAKAAGEKSCNCLLLKVNQIGSV
 TESLQACKLAQSNQWGMVMSHRSGEETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQILRIEELGSK
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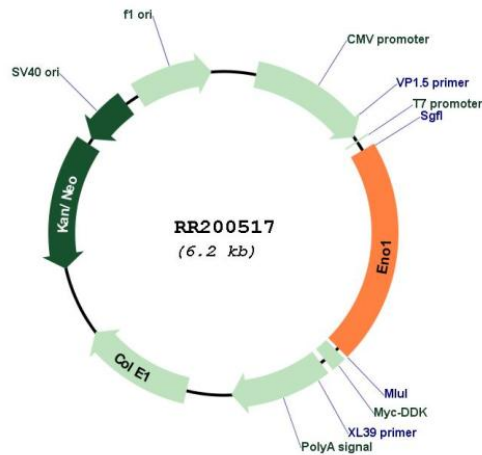
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109908

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_001109908.1 , NP_001103378.1
RefSeq Size:	1803 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]