

Product datasheet for **MR206917**

Eno2 (NM_013509) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eno2 (NM_013509) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eno2
Synonyms:	A1837106; D6Ertd375e; Eno-2; NSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206917 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTATAGAGAAGATTGGGCCCCGAGAGATCTTGGACTCCCCTGGGAATCCCACCGTGGAGTGGATC
 TCTATACTGCCAAAGGTCTTTCCGGGCTGCAGTCCCCAGTGGAGCCTCCACCGCATCTATGAGGCCCT
 GGAATAAGGGATGGGGACAAACAGCGTACTTAGGCAAAGGTGTCTGAAGGCAGTGGACCACATCAAC
 AGCAGGATTGCACCAGCCCTCATCAGCTCAGGTATCTCCGTGGTGGAGCAGGAGAACTGGACAACCTGA
 TGTGGAACTGGATGGGACTGAGAATAAATCCAAGTTTGGGGCCAATGCCATCCTGGGTGTGTCCCTGGC
 CGTGTGTAAGGCTGGGGCAGCTGAGAGGGACTGCCCTCTATCGCCACATTGCTCAGCTAGCTGGGAAC
 TCCGACCTCATCTGCCTGTGCCGGCTTTAATGTGATCAATGGTGGCTCTCATGCTGGGAACAAGTTGG
 CCATGCAGGAGTTCATGATCCTCCAGTGGGTGCTGAGAGCTTTCGGGATGCCATGCGACTTGGGGCAGA
 GGTGTACCACACCCTCAAGGGGGTCAAGGACAAGTATGGCAAGGATGCCACTAACGTGGGGGATGAA
 GCGGGCTTTGCCCAATATCCTGGAGAACAGCGAAGCCTTGGAGCTGGTGAAGGAAGCCATCGACAAGG
 CTGGCTACACGGAAAAGATGGTGTATCGGTATGGATGTGGCTGCCTCTGAGTTTTACCGCGATGGCAATA
 CGACTTGGATTTCAAGTCTCCGCTGATCCTTCCCGATACATCACTGGGGACCAGCTGGGGCACTCTAC
 CAGGACTTTGTCCGGAATATCCTGTGGTCTCCATTGAAGACCCATTTGACCAGGACGACTGGGCAGCTT
 GGTCCAAGTTCACAGCCAACGTCCGCATCCAGATAGTGGGCGATGACCTGACGGTGACCAACCCCAAGCG
 CATCGAGCGGGCAGTGGAGGAGAAGCCTGCAACTGTTTGGTGTCAAGGTCAATCAGATCGGCTCGGTC
 ACAGAAGCCATCCAAGCGTCAAGCTGGCCAGGAGAAATGGCTGGGGGTTATGGTGAGCCATCGCTCTG
 GAGAAACGGAGGACACGTTCAATGCTGATCTTGTCTCGGACTGTGTACAGGCCAGATCAAGACTGGCGC
 CCCATGCAGATCTGAACGTCTGGCGAAGTACAACCAGCTCATGAGAATTGAGGAAGAGCTGGGGGACGAA
 GCTCGCTTCGCGGACATAATTTCCGAAATCCCAGTGTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206917 protein sequence
 Red=Cloning site Green=Tags(s)

MSIEKIWAREILDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDGDQRYLKGKVLKAVDHN
 SRIAPALISSGISVVEQEKLNDLMLLELDGTENKSKFGANAILGVSLAVCKAGAAERDPL YRHIAQLAGN
 SDLILVPAPFNVIINGGSHAGNKLAMQEFMILPVGAESEFRDAMRLGAEVYHTLKGVIKDKYKDATNVGDE
 GGFAPNILENSEALELVKEAIDKAGYTEKMGVIGMDVAASEFYRDGKYDLDFKSPADPSRYITGDQLGALY
 QDFVRNYPVVSIEDPFDQDDWAWSKFTANVGIQIVGDDLTVTNPKRIERA VE EKACNCLLLKVNQIGSV
 TEAIQACKLAQENGWGMVSHRGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIEELGDE
 ARFAGHNFRNPVSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_013509

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_013509.3](#)
RefSeq Size: 2656 bp

RefSeq ORF: 1305 bp

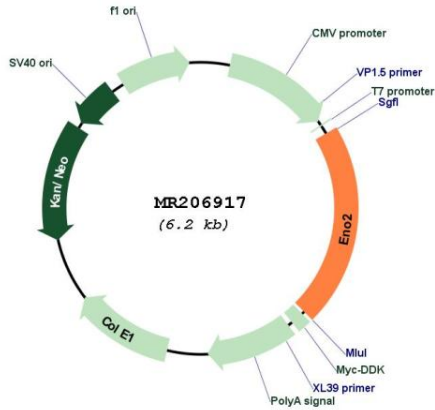
Locus ID: 13807

UniProt ID: [P17183](#)
Cytogenetics: 6 59.17 cM

MW: 47.3 kDa

Gene Summary: Has neurotrophic and neuroprotective properties on a broad spectrum of central nervous system (CNS) neurons. Binds, in a calcium-dependent manner, to cultured neocortical neurons and promotes cell survival (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206917