

Product datasheet for **MG206917**

Eno2 (NM_013509) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eno2 (NM_013509) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eno2
Synonyms:	A1837106; D6Ertd375e; Eno-2; NSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206917 representing NM_013509 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTATAGAGAAGATTTGGGCCGAGAGATCTTGGACTCCCGTGGGAATCCCACCGTGGAGGTGGATC
TCTATACTGCCAAAGGTCTTTCCGGGCTGCAGTCCCCAGTGGAGCCTCCACCGCATCTATGAGGCCCT
GGAAGTAAAGGGATGGGACAAACAGCGTTACTTAGGCAAAGGTGTCTGAAGGCAGTGGACCACATCAAC
AGCAGGATTGCACCAGCCCTCATCAGCTCAGGTATCTCCGTGGTGGAGCAGGAGAACTGGACAACCTGA
TGTGGAACTGGATGGGACTGAGAATAAATCCAAGTTTGGGGCCAATGCCATCCTGGGTGTCTCCCTGGC
CGTGTGTAAGGCTGGGGCAGCTGAGAGGGACTTGCCCTCTATCGCCACATTGCTCAGCTAGCTGGGAAC
TCCGACCTCATCCTGCTGTGCCGGCCTTAATGTGATCAATGGTGGCTCTCATGCTGGGAACAAGTTGG
CCATGCAGGAGTTCATGATCCTCCAGTGGGTGCTGAGAGCTTTCCGGATGCCATGCGACTTGGGGCAGA
GGTGTACCACACCCTCAAGGGGGTCAAGGACAAGTATGGCAAGGATGCCACTAACGTGGGGGATGAA
GGCGGCTTTGCCCAATATCCTGGAGAACAGCGAAGCCTTGGAGCTGGTGAAGGAAGCCATCGACAAGG
CTGGCTACACGGAAAAGATGGTATCGGTATGGATGTGGCTGCCTCTGAGTTTTACCGGATGGCAAATA
CGACTTGGATTTCAAGTCTCCGCTGATCCTTCCCGATAACACTGGGGACCAGCTGGGGCACTCTAC
CAGGACTTTGTCCGGAATATCCTGTGGTCTCCATTGAAGACCCATTTGACCAGGACGACTGGGCAGCTT
GGTCCAAGTTCACAGCCAACGTCGGCATCCAGATAGTGGGCGATGACCTGACGGTGACCAACCCCAAGCG
CATCGAGCGGGCAGTGGAGGAGAAGGCCTGCAACTGTTTGGTGTCAAGGTCAATCAGATCGGCTCGGT
ACAGAAGCCATCAAGCGTGCAAGCTGGCCAGGAGAATGGTGGGGGTTATGGTGAAGCCATCGCTCTG
GAGAAACGGAGGACACGTTCAATTGCTGATCTTGTGCTCGGACTGTGTACAGGCCAGATCAAGACTGGCGC
CCCATGCAGATCTGAACGCTGGCGAAGTACAACCAGCTCATGAGAATTGAGGAAGAGCTGGGGACGAA
GCTCGTTCGCGGGACATAATTTCCGAAATCCCAGTGTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206917 representing NM_013509
 Red=Cloning site Green=Tags(s)

MSIEKIWAREILDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERLDGDKQRYLGKGVLKAVDHN
 SRIAPALISSGISVVEQEKLNDLMELEDGTENKSKFGANAILGVSLAVCKAGAAERDLPL YRHIAQLAGN
 SDLILPVPFNVINGGSHAGNKLAMQEFMILPVGAESEFRDAMRLGAEVYHTLKGVIKDKYGDATNVGDE
 GGFAPNILENSEALELVKEAIDKAGYTEKMGVIGMDVAASEFYRDGKYDLDFKSPADPSRYITGDQLGALY
 QDFVRNYPVVSIEDPFDQDDWAWSKFTANVGIQIVGDDLTVTNPKRIERA VEEKACNCLLLKVNQIGSV
 TEAIQACKLAQENGWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIEELGDE
 ARFAGHNFRNPSVL

TRTRPLE - GFP Tag - V

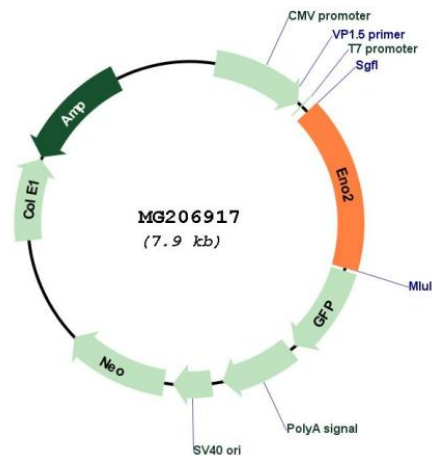
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_013509

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_013509.3
RefSeq Size:	2656 bp
RefSeq ORF:	1305 bp
Locus ID:	13807
UniProt ID:	P17183
Cytogenetics:	6 59.17 cM
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]