

## Product datasheet for **MC226984**

### Eno2 (NM\_001302642) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eno2 (NM\_001302642) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Eno2  
**Synonyms:** A1837106; D6Ertd375e; Eno-2; NSE  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226984 representing NM\_001302642  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCTATAGAGAAGATTTGGGCCGAGAGATCTTGGACTCCCGTGGGAATCCCACCGTGGAGGTGGATC  
 TCTATACTGCCAAAGTCTTTCCGGGCTGCAGTCCCCAGTGGAGCTCCACCGCATCTATGAGGCCCT  
 GGAATAAGGGATGGGGACAAACAGCGTACTTAGGCAAAGGTGTCTGAAGGCAGTGGACCACATCAAC  
 AGCAGGATTGCACCAGCCCTCATCAGCTCAGGTATCTCCGTGGTGGAGCAGGAGAACTGGACAACCTGA  
 TGTGGAACTGGATGGGACTGAGAATAAATCCTTGGAGCTGGTGAAGGAAGCCATCGACAAGGCTGGCTA  
 CACGGAAAAGATGGTGATCGGTATGGATGTGGCTGCTCTGAGTTTTACCGCGATGGCAAATACGACTTG  
 GATTTCAAGTCTCCCGCTGATCCTTCCCGATACATCACTGGGGACCAGCTGGGGGCACTCTACCAGGACT  
 TTGTCCGGAATATCCTGTGGTCTCCATTGAAGACCCATTTGACCAGGACGACTGGGCAGCTTGGTCCAA  
 GTTCACAGCCAACGTCGGCATCCAGATAGTGGCGATGACCTGACGGTGACCAACCCCAAGCGCATCGAG  
 CGGGCAGTGGAGGAGAAGGCTGCAACTGTTTGTCTCAAGGTCAATCAGATCGGCTCGGTACAGAAAG  
 CCATCCAAGCGTGAAGCTGGCCAGGAGAATGGCTGGGGGTTATGGTGACCCATCGCTCTGGAGAAAC  
 GGAGGACAGTTTCAATGCTGATCTTGTCTCGGACTGTGTACAGGCCAGATCAAGACTGGCGCCCATGC  
 AGATCTGAACGCTTGGCGAAGTACAACCAGCTCATGAGAATTGAGGAAGACTGGGGGACGAAGCTCGCT  
 TCGCGGGACATAATTTCCGAAATCCAGTGTGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001302642  
**Insert Size:** 948 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001302642.1</a></u> , <u><a href="#">NP_001289571.1</a></u>
<b>RefSeq Size:</b>	2454 bp
<b>RefSeq ORF:</b>	948 bp
<b>Locus ID:</b>	13807
<b>UniProt ID:</b>	<u><a href="#">P17183</a></u>
<b>Cytogenetics:</b>	6 59.17 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks two in-frame exons in the coding region compared to variant 1. This variant encodes isoform 2, which is shorter than isoform 1.</p>