

Product datasheet for MR229195

Eno2 (NM_001302642) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eno2 (NM_001302642) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eno2
Synonyms:	A1837106; D6Ertd375e; Eno-2; NSE
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229195 representing NM_001302642 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTATAGAGAAGATTTGGGCCGAGAGATCTTGGACTCCCGTGGGAATCCCACCGTGGAGGTGGATC
TCTATACTGCCAAAGTCTTTCCGGGCTGCAGTCCCCAGTGGAGCCTCCACCGCATCTATGAGGCCCT
GGAATAAGGGATGGGGACAAACAGCGTACTTAGGCAAAGGTGTCTGAAGGCAGTGGACCACATCAAC
AGCAGGATTGCACCAGCCCTCATCAGCTCAGGTATCTCCGTGGTGGAGCAGGAGAAAAGTGGACAACCTGA
TGTTGGAAGTGGATGGGACTGAGAATAAATCCTTGGAGCTGGTGAAGGAAGCCATCGACAAGGCTGGCTA
CACGGAAAAGATGGTGATCGGTATGGATGTGGCTGCCTCTGAGTTTTACCGCGATGGCAAATACGACTTG
GATTTCAAGTCTCCCGCTGATCCTTCCCGATACATCACTGGGGACCAGCTGGGGGCACTCTACCAGGACT
TTGTCCGGAATATCCTGTGGTCTCCATTGAAGACCCATTTGACCAGGACGACTGGGCAGCTTGGTCCAA
GTTACAGCCAACGTCGGCATCCAGATAGTGGCGATGACCTGACGGTGACCAACCCCAAGCGCATCGAG
CGGGCAGTGGAGGAGAAGCCTGCAACTGTTTGTCTCAAGTCAATCAGATCGGCTCGGTACAGAAAG
CCATCCAAGCGTGCAAGCTGGCCAGGAGAATGGCTGGGGGTTATGGTGACCCATCGCTCTGGAGAAAC
GGAGGACAGTTTCAATGCTGATCTTGTCTCGGACTGTGTACAGGCCAGATCAAGACTGGCGCCCATGC
AGATCTGAACGCTGGCGAAGTACAACAGCTCATGAGAATTGAGGAAGAGCTGGGGGACGAAGCTCGCT
TCGCGGGACATAATTTCCGAAATCCAGTGTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229195 representing NM_001302642
 Red=Cloning site Green=Tags(s)

MSIEKIWAREILDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDGDQRYLKGKVLKAVDHN
 SRIAPALISSGISVVEQEKLNDLMELDGTENKSELELVEAIDKAGYTEKVMVIGMDVAASEFYRDGKYDL
 DFKSPADPSRYITGDLGALYQDFVRNYPVVSIEDPFDQDDWAWSKFTANVGIQIVGDDLTVTNPKRIE
 RAVEEKACNCLLLKVNQIGSVTEAIQACKLAQENGWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPC
 RSERLAKYNQLMRIEELGDEARFAGHNFRNPSVL

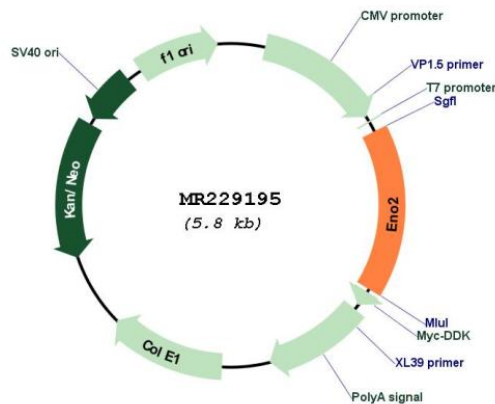
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001302642

ORF Size: 945 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_001302642.1 , NP_001289571.1
RefSeq Size:	2454 bp
RefSeq ORF:	948 bp
Locus ID:	13807
UniProt ID:	P17183
Cytogenetics:	6 59.17 cM
MW:	35.3 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]