

Mouse enolase 2, gamma neuronal (Eno2) transcript variant 2 (NM_001302642) ORF clone, Myc-DDK Tagged

Cat. No.: NEP-0521-R0308

This is a mouse NSE Myc-DDK tagged ORF clone expression plasmid, ready for transfecting into mammalian cells.

PRODUCT OVERVIEW

Gene/Insert Name	NSE
Species	Mouse
Insert Size (bp)	945 bp
Tag	Myc-DDK
Type	Expression Vector/ Viral Particle
Vector	pCMV6
Vector Type	CMV
Virus Type	CMV
E. coli Selection	Kanamycin (25 ug/mL)
Cell Selection	Neomycin
ORF Nucleotide Sequence	<pre> TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTAC CGAGGAGATCTGCCGCCGCGATCGCCATGTCTATAGAGAAGATTTGGGCCCGAGA GATCTTGGACTCCCGTGGGAATCCCACCGTGGAGGTGGATCTCTATACTGCCAAA GGTCTTTTCCGGGCTGCAGTCCCCAGTGGAGCCTCCACCGGCATCTATGAGGCC TGGAACTAAGGGATGGGGACAAACAGCGTTACTTAGGCAAAGGTGTCCTGAAGGC AGTGGACCACATCAACAGCAGGATTGCACCAGCCCTCATCAGCTCAGGTATCTCC GTGGTGGAGCAGGAGAACTGGACAACCTGATGTTGGAAGTGGATGGGACTGAGA ATAAATCCTTGGAGCTGGTGAAGGAAGCCATCGACAAGGCTGGCTACACGGAAAA GATGGTGATCGGTATGGATGTGGCTGCCTCTGAGTTTTACCGCGATGGCAAATAC GACTTGGATTTCAAGTCTCCCGCTGATCCTTCCCGATACACTGGGGACCAGC TGGGGGCACTCTACCAGGACTTTGTCCGGAATATCCTGTGGTCTCCATTGAAGA CCCATTTGACCAGGACGACTGGGCAGCTTGGTCCAAGTTCACAGCCAACGTCGGC ATCCAGATAGTGGGCGATGACCTGACGGTGACCAACCCCAAGCGCATCGAGCGGG CAGTGGAGGAGAAGGCCTGCAACTGTTTGCTGCTCAAGGTCAATCAGATCGGCTC GGTCACAGAAGCCATCCAAGCGTGCAAGCTGGCCCAGGAGAATGGCTGGGGGGTT ATGGTGAGCCATCGCTCTGGAGAAACGGAGGACACGTTTCATTGCTGATCTTGTCG TCGGAAGTGTACAGGCCAGATCAAGACTGGCGCCCCATGCAGATCTGAACGTCT GGCGAAGTACAACCAGCTCATGAGAATTGAGGAAGAGCTGGGGGACGAAGCTCGC TTCGCGGGACATAATTTCCGAAATCCCAGTGTGCTGACGCGTACGCGGCCGCTCG AGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAA GGATGACGACGATAAGGTTTAA </pre>
Protein Sequence	<pre> MSIEKIWAREILDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALRLDGDKQR YLKGVLKAVDHINSRIAPALISSGISVVEQEKLDNLMLELDGTENKSLELVKEA </pre>

IDKAGYTEKMMVIGMDVAASEFYRDGKYDLDFKSPADPSRYITGDQLGALYQDFVR
NYPVVSIEDPFDQDDWAAWSKFTANVGIQIVGDDLTVTNPKRIERAVEEKACNCL
LLKVNQIGSVTEAIQACKLAQENGWGVMVSHRSGETEDTFIADLVVGLCTGQIKT
GAPCRSERLAKYNQLMRIEELGDEARFAGHNFRNPSVLTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Restriction Sites	Sgfl-MluI
Application Notes	The clone can express a complete ORF with a certain tag. Different ways of expression depend on the specific nature of the gene.
Purification	Ion-exchange column purified
Research Areas	Neurotransmission
Relevant Diseases	Traumatic Brain Injury
Key Components	Transfection-ready dried plasmid DNA

PROPERTIES

Soluble In	Sterile water
Appearance	Solid
Shipping	Keep in suitable, closed containers for shipping.
Handling Advice	Avoid breathing vapors, mist or gas.
Storage	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
Research Use Only	For research use only

TARGET DETAILS

Target	NSE
Official Name	ENO2
Full Name	Enolase 2
Alternative Names	ENO2; HEL-S-279; NSE; Enolase 2
Gene ID	2026 (H uman); 13807 (Mouse); 24334 (Rat)
Uniprot ID	P09104 (Human); P17183 (Mouse); P07323 (Rat)
