h Enolase 2 VersaClone cDNA

Catalog Number: RDC3186

Specifications:

Gene:	*h*ENO2
Accession:	NP_001966.1
Insert size:	1318bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

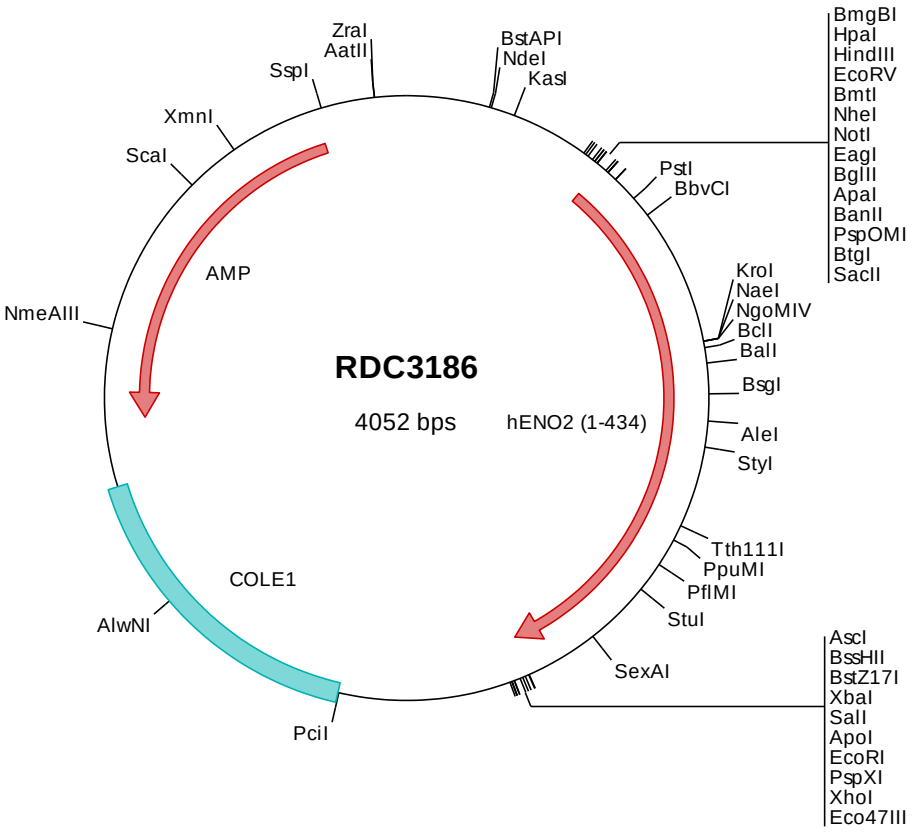
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Enolase 2 cDNA Plasmid

ENO2 enolase 2 [*Homo sapiens* (human)]

Also known as: NSE; HEL-S-279

Summary:
ENO2 is one of the three enolase isoenzymes found in mammals. It is found in mature neurons and cells of neuronal origin. Each isoenzyme is a homodimer composed of 2 alpha, 2 gamma, or 2 beta subunits, and functions as a glycolytic enzyme. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3186 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgtccatag agaagatctg ggcccgggag atcctggact cccgcgggaa
 501  ccccacagtg gaggtggatc tctatactgc caaaggtctt ttccgggctg cagtgcccag tggagcctct acgggcatct atgaggccct ggagctgagg
 601  gatggagaca aacagcgtta cttaggcaaa ggtgtcctga aggcagtgga ccacatcaac tccaccatcg cgccagccct catcagctca ggtctctctg
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 801  cgtgtgtaag gcaggggcag ctgagcggga actgcccctg tatcgccaca ttgctcagct ggccgggaac tcagacctca tcctgcctgt gccggccttc
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1001  taggtgcaga ggtctaccat acactcaagg gagtcatcaa ggacaaatac ggcaaggatg ccaccaatgt gggggatgaa ggtggctttg cccccaatat
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1401  tgatgacctg acagtgacca acccaaaacg tattgagcgg gcagtggaag aaaaggcctg caactgtctg ctgctcaagg tcaaccagat cggctctgtc
1501  actgaagcca tccaagcgtg caagctggcc caggagaatg gctgggggt catggtgagt catcgctcag gagagactga ggacacattc attgctgacc
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1701  gggggatgaa gctcgctttg ccggacataa cttccgtaat cccagtgtgc tgtaaaggcg cgccagtata ctctagagtc gacacccggg gaattcctcg
1801  agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata
1901  aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc
2001  attaatgaat cggccaacgc gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg
2101  gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc
2201  aggaaccgta aaaaggccgc gttgctggcg tttttccata ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc
2301  cgacaggact ataaagatac caggcgtttc cccctggaag ctccctcgtg cgctctcctg ttccgaccct gccgcttacc ggatacctgt ccgcctttct
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2501  gttcagcccg accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga cacgacttat cgccactggc agcagccact ggtaacagga
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2701  gaagccagtt accttcggaa aaagagttgg tagctcttga tccggcaaac aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg
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3201  gtggtcctgc aactttatcc gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc gccagttaat agtttgcgca acgttgttgc
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3601  ggcgtcaata cgggataata ccgcgccaca tagcagaact ttaaaagtgc tcatcattgg aaaacgttct tcggggcgaa aactctcaag gatcttaccg
3701  ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt actttcacca gcgtttctgg gtgagcaaaa acaggaaggc
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4001  attatcatga cattaaccta taaaaatagg cgtatcacga ggccctttcg tc
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> RDC3186 Translated Insert Sequence

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 101  enkskfgana ilgvslavck agaaerelpl yrhiaqlagn sdlilpvpaf nvinggshag nklamqefmi lpvgaesfrd amrlgaevyh tlkgvikdky
 201  gkdatnvgde ggfapnilen sealelvkea idkagyteki vigmdvaase fyrdgkydld fksptdpsry itgdqlgaly qdfvrdypvv siedpfdqdd
 301  waawskftan vgiqivgddl tvtnpkrier aveekacncl llkvnqigsv teaiqackla qengwgvmvs hrsgetedtf iadlvvglct gqiktgapcr
 401  serlakynql mrieeelgde arfaghnfrn psvl
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