

EIF4E2 cDNA

Catalog Number: ATGD0261

PRODUCT INFORMATION

Catalog number

ATGD0261

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004837.1

Alternative Names

4E-LP, 4EHP, EIF4EL3, IF4e

mRNA Refseq

NM_004846.3

OMIM

605895

Chromosome location

2q37.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

738bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

EIF4E2 cDNA

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Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures

DATA

Sequence nucleotides

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ATGAACAACAAGTTCGACGCTTTGAAAGATGATGACAGTGGGGACCATGATCAGAATGAAGAAAACAGCACACAGAAAGAT
GGTGAGAAGGAAAAACGGAACGAGACAAGAATCAGAGCAGTAGCAAGAGAAAGGCTGTTGTCCCTGGACCGGCAGAGCA
TCCCCTGCAGTACAACACTACTTTTTGGTACTCCAGGAGAACCCCCGGCCGTCCACGAGCTCACAGAGCTATGAACAGAAT
ATCAAACAGATTGGCACCTTTGCCTCTGTGGAGCAGTTCTGGAGGTTTTATAGCCACATGGTACGTCCTGGGGACCTGACAG
GCCACAGTGACTTCCATCTCTTCAAAGAAGGAATTAACCCATGTGGGAGGATGATGCAAATAAAAATGGTGGCAAGTGGA
TTATTCGGCTGCGGAAGGGCTTGGCCTCCCCTGCTGGGAGAATCTCATTTTGGCCATGCTGGGGGAACAGTTCATGGTTG
GGGAGGAGATCTGTGGGGCTGTGGTGTCTGTCCGCTTTCAGGAAGACATTATTTCAATATGGAATAAGACTGCCAGTGACC
AAGCAACCACAGCCCGAATCCGGGACACACTTCGGCGAGTGCTTAACCTACCTCCAACACCATTATGGAATACAAAACCTCA
CACCGACAGCATCAAATGCCAGGCAGGCTGGGCCCCCAAAGGCTCCTTTTTCAAACCTCTGGAAGCCGCGGTTGAATGT
GCCATGA
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Transaction Sequence

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MNNKFDALKD DDSGDHDQNE ENSTQKDGEK EKTERDKNQS SSKRKAVVPG PAEHPLQYNYTFWYSRRTPG RPTSSQSYEQ
NIKQIGTFAS VEQFWRFYSH MVRPGDLTGH SDFHLFKEGIKPMWEDDANK NGGKWIIRLR KGLASRCWEN LILAMLGEQF
MVGEEICGAV VSVRFQEDIISIWNKTASDQ ATTARIRDTL RRVLNLPPNT IMEYKHTHTDS IKMPGRLGPQ
RLLFQNLWKPRLNVP
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