

EIF1AX cDNA

Catalog Number: ATGD0123

PRODUCT INFORMATION

Catalog number

ATGD0123

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001403.1

Alternative Names

eIF-1A, eIF-4C, EIF1A, EIF1AP1, EIF4C

mRNA Refseq

NM_001412.3

OMIM

300186

Chromosome location

Xp22.12

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

435bp

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

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EIF1AX encodes an essential eukaryotic translation initiation factor. The protein is required for the binding of the 43S complex (a 40S subunit, eIF2/GTP/Met-tRNA_i and eIF3) to the 5' end of capped RNA.

DATA

Sequence nucleotides

```
ATGCCCAAGAATAAAGGTAAAGGAGGTAAAAACAGACGCAGGGGTAAGAATGAGAATGAATCTGAAAAAAGAGAACTGGTA
TTCAAAGAGGATGGTCAGGAGTATGCTCAGGTAATCAAAATGTTGGGAAATGGACGGCTAGAAGCAATGTGTTTCGATGGT
GTAAAGAGGTTATGTCACATCAGAGGAAAATTGAGAAAAAAGGTTTGGATAAATACCTCGGACATTATTTTGGTTGGTCTCC
GAGACTACCAGGATAACAAAGCTGATGTAATTTTAAATACAATGCAGACGAAGCTAGAAGTCTGAAGGCATACGGCGAGC
TTCCAGAGCATGCTAAAATCAATGAAACTGATACATTTGGTCCTGGAGATGATGATGAAATTCAGTTTGATGACATTGGAGAT
GATGATGAAGATATTGATGACATCTAA
```

Transaction Sequence

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MPKNKGKGGK NRRRGKNENE SEKRELVFKE DGQEYAQVIK MLGNRLEAM CFDGVKRLCH IRGKLRKKVW INTSDIILVG
LRDYQDNKAD VILKYNADAE RSLKAYGELP EHAKINETDT FPGDDDEIQ FDDIGDDDED IDDI
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