

## 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**

## EIF1AX cDNA

Catalog Number: ATGD0123

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<sub>i</sub> and eIF3) to the 5' end of capped RNA.

### DATA

---

#### Sequence nucleotides

```
ATGCCCAAGAATAAAGGTAAAGGAGGTAAAAACAGACGCAGGGGTAAAGAATGAGAATGAATCTGAAAAAAGAGAACTGGTA
TTCAAAGAGGATGGTCAGGAGTATGCTCAGGTAATCAAATGTTGGGAAATGGACGGCTAGAAGCAATGTGTTTCGATGGT
GTAAAGAGGTTATGTACATCAGAGGAAAATTGAGAAAAAAGGTTTGGATAAATACCTCGGACATTATTTTGGTTGGTCTCC
GAGACTACCAGGATAACAAAGCTGATGTAATTTTAAAATACAATGCAGACGAAGCTAGAAGTCTGAAGGCATACGGCGAGC
TTCCAGAGCATGCTAAAATCAATGAAACTGATACATTTGGTCCTGGAGATGATGATGAAATTCAGTTTGATGACATTGGAGAT
GATGATGAAGATATTGATGACATCTAA
```

#### Transaction Sequence

```
MPKNKGKGGK NRRRGKNENE SEKRELVFKE DGQEYAQVIK MLGNRLEAM CFDGVKRLCH IRGKLRKKVW INTSDIILVG
LRDYQDNKAD VILKYNADEA RSLKAYGELP EHAKINETDT FPGDDEIQ FDDIGDDED IDDI
```