

EIF3K cDNA

Catalog Number: ATGD0260

PRODUCT INFORMATION

Catalog number

ATGD0260

Product type

cDNA

Species

Human

NCBI Accession No.

NP_037366.1

Alternative Names

ARG134, EIF3-p28, EIF3S12, HSPC029, M9, MSTP001, PLAC-24, PLAC24, PRO1474, PTD001

mRNA Refseq

NM_013234.3

OMIM

609596

Chromosome location

19q13.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

657bp

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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The 700-kD eukaryotic translation initiation factor-3 (eIF3) is the largest eIF and contains at least 12 subunits, including EIF2S12. eIF3 plays an essential role in translation by binding directly to the 40S ribosomal subunit and promoting formation of the 40S preinitiation complex

DATA

Sequence nucleotides

ATGGCGATGTTTGAGCAGATGAGAGCCAACGTGGGCAAGTTGCTCAAGGGTATCGACAGGTACAATCCTGAGAACCTGGCC
 ACCCTGGAGCGCTATGTAGAGACGCAGGCCAAGGAAAATGCCTATGATCTGGAAGCCAACCTGGCTGTCCTGAAGCTGTAC
 CAGTTCAACCCAGCCTTCTTTTCAGACCACGGTCACCGCCCAGATCCTGCTGAAGGCCCTCACCAACTTGCCGCACACAGACT
 TCACCCTGTGCAAGTGCATGATCGACCAGGCACATCAAGAAGAACGGCCAATCCGACAGATTTTGTACCTCGGGGACCTGC
 TGGAGACCTGCCATTTCCAGGCCTTCTGGCAAGCCCTGGATGAAAACATGGACCTCTTGGAAGGTATAACTGGCTTTGAAG
 ACTCTGTCCGAAAAGTTTATCTGCCATGTTGTGGGTATCACTTACCAGCACATTGACCGCTGGCTGCTGGCCGAGATGCTCGG
 GGATCTGTCTGGACAGCCAGCTAAAGGTGTGGATGAGCAAATACGGCTGGAGTGCCGACGAGTCGGGGCAGATCTTCATCT
 GTAGCCAAGAAGAGAGCATTAAACCCAAGAACATTGTGGAGAAGATTGACTTTGACAGTGTGTCCAGCATCATGGCCTCCTC
 CCAAGTAA

Transaction Sequence

MAMFEQMRAN VGKLLKGIDR YNPENLATLE RYVETQAKEN AYDLEANLAV LKLYQFNPAFFQTTVTAQIL LKALTNLPHT
 DFTLCKCMID QAHQEERPIR QILYLGDLLE TCHFQAFWQALDENMDLLEG ITGFEDSVRK FICHVVGITY QHIDRWLLAE
 MLGDLSDSQL KVMWSKYGWSADESGQIFIC SQEESIKPKN IVEKIDFDSV SSIMASSQ