

AES cDNA

Catalog Number: ATGD0043

PRODUCT INFORMATION

Catalog number

ATGD0043

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001121.2

Alternative Names

AES-1, AES-2, ESP1, GRG, Grg-5, GRG5, TLE5

mRNA Refseq

NM_001130.5

OMIM

600188

Chromosome location

19p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

594bp

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

AES cDNA

Catalog Number: ATGD0043

Amino-terminal enhancer of split, also known AES, belongs to the groucho/TLE family of proteins, can function as a homooligomer or as a heterooligomer with other family members to dominantly repress the expression of other family member genes. This protein is expressed predominately in fetal brain, liver, lung, heart and kidney and in adult muscle. In addition, AES can repress NFkB-regulated gene expression and is thought to play an important role in initiating and maintaining cell differentiation events.

DATA

Sequence nucleotides

```
ATGATGTTTC CACAAAGCAG GCATTTCGGGC TCCTCGCACC TACCCAGCA ACTCAAATTC ACCACCTCGG
ACTCCTGCGA CCGCATCAA GACGAATTC AGCTACTGCA AGCTCAGTAC CACAGCCTCA AGCTCGAATG
TGACAAGTTG GCCAGTGAGA AGTCAGAGAT GCAGCGTCAC TATGTGATGT ACTACGAGAT GTCCTACGGC
TTGAACATCG AGATGCACAA ACAGGCTGAG ATCGTCAAAA GGCTGAACGG GATTTGTGCC CAGGTCCTGC
CCTACCTCTC CCAAGAGCAC CAGCAGCAGG TCTTGGGAGC CATTGAGAGG GCCAAGCAGG TCACCGCTCC
CGAGCTGAAC TCTATCATCC GACAGCAGCT CCAAGCCCAC CAGCTGTCCC AGCTGCAGGC CCTGGCCCTG
CCCTTGACCC CACTACCCGT GGGGCTGCAG CCGCCTTCGC TGCCGGCGGT CAGCGCAGGC ACCGGCCTCC
TCTCGCTGTC CGCGCTGGGT TCCCAGGCC ACCTCTCAA GGAAGACAAG AACGGGCACG ATGGTGACAC
CCACCAGGAG GATGATGGCG AGAAGTCGGA TTAG
```

Transaction Sequence

```
MMFPQSRHSG SSHLPQQLKF TTSDSCDRIK DEFQLLQAQY HSLKLECDKL ASEKSEMQRH YVMYYEMSYG LNIEMHKQAE
IVKRLNGICA QVLPYLSQEH QQQVLGAIER AKQVTAPELN SIIRQQLQAH QLSQLQALAL PLTPLPVGLQ PPSLPAVSAG
TGLLSLSALG SQAHLKEDK NGHDGDTHQE DDGEKSD
```