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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



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Amino-terminal enhancer of split, also known AES, belongs to the groucho/TLE family of proteins, can function as a homooligomer or as a heteroologimer 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 GCATTCGGGC TCCTCGCACC TACCCCAGCA ACTCAAATTC ACCACCTCGG ACTCCTGCGA CCGCATCAAA GACGAATTTC 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 TCCCAGGCCC ACCTCTCCAA 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 SQAHLSKEDK NGHDGDTHQE DDGEKSD

