ELK1 cDNA

Catalog Number: ATGD0008

PRODUCT INFORMATION

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ATGD0008

Product type
cDNA

Species
Human

NCBI Accession No.
NP_001107595.1

Alternative Names
ETS transcription factor ELK1, ELK-1

mRNA Refseq
NM_001114123.2

OMIM
311040

Chromosome location
Xp11.2

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
1287bp

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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ELK1 is a member of the Ets family of transcription factors and of the ternary complex factor (TCF) subfamily. Proteins of the TCF subfamily form a ternary complex by binding to the the serum response factor and the serum response element in the promoter of the c-fos proto-oncogene. The protein encoded by this gene is a nuclear target for the ras-raf-MAPK signaling cascade. This gene produces multiple isoforms by using alternative translational start codons and by alternative splicing. Related pseudogenes have been identified on chromosomes 7 and 14

DATA

Sequence nucleotides

ATGGACCCAT CTGTGACGCT GTGGCAGTTT CTGCTGCAGC TGCTGAGAGA GCAAGGCAAT GGCCACATCA
TCTCCTGGAC TTCACGGGAT GGTGGTGAAT TCAAGCTGGT GGATGCAGAG GAGGTGGCCC GGCTGTGGGG
GCTACGCAAG AACAAGACCA ACATGAATTA CGACAAGCTC AGCCGGGCCT TGCGGTACTA CTATGACAAG
AACATCATCC GCAAGGTGAG CGGCCAGAAG TTCGTCTACA AGTTTGTGTC CTACCCTGAG GTCGCAGGGT
GCTCCACTGA GGACTGCCCG CCCCAGCCAG AGGTGTCTGT TACCTCCACC ATGCCAAATG TGGCCCCTGC
TGCTATACAT GCCGCCCCAG GGGACACTGT CTCTGGAAAG CCAGGCACAC CCAAGGGTGC AGGAATGGCA
GGCCCAGGCG GTTTGGCACG CAGCAGCCGG AACGAGTACA TGCGCTCGGG CCTCTATTCC ACCTTCACCA
TCCAGTCTCT GCAGCCGCAG CCACCCCCTC ATCCTCGGCC TGCTGTGGTG CTCCCCAGTG CAGCTCCTGC
AGGGGCAGCA GCGCCCCCCT CGGGGAGCAG GAGCACCAGT CCAAGCCCCT TGGAGGCCTG TCTGGAGGCT
GAAGAGGCCG GCTTGCCTCT GCAGGTCATC CTGACCCCGC CCGAGGCCCC AAACCTGAAA TCGGAAGAGC
TTAATGTGGA GCCGGGTTTG GGCCGGGCTT TGCCCCCAGA AGTGAAAGTA GAAGGGCCCA AGGAAGAGTT
GGAAGTTGCG GGGGAGAGAG GGTTTGTGCC AGAAACCACC AAGGCCGAGC CAGAAGTCCC TCCACAGGAG
GGCGTGCCAG CCCGGCTGCC CGCGGTTGTT ATGGACACCG CAGGGCAGGC GGGCGGCCAT GCGGCTTCCA
GCCCTGAGAT CTCCCAGCCG CAGAAGGGCC GGAAGCCCCG GGACCTAGAG CTTCCACTCA GCCCGAGCCT
GCTAGGTGGG CCGGGACCCG AACGGACCCC AGGATCGGGA AGTGGCTCCG GCCTCCAGGC TCCGGGGCCG
GCGCTGACCC CATCCCTGCT TCCTACGCAT ACATTGACCC CGGTGCTGCT GACACCCAGC TCGCTGCCTC
CTAGCATTCA CTTCTGGAGC ACCCTGAGTC CCATTGCGCC CCGTAGCCCG GCCAAGCTCT CCTTCCAGTT
TCCATCCAGT GGCAGCGCCC AGGTGCACAT CCCTTCTATC AGCGTGGATG GCCTCTCGAC CCCCGTGGTG
CTCTCCCCAG GGCCCCAGAA GCCATGA

Transaction Sequence

MDPSVTLWQF LLQLLREQGN GHIISWTSRD GGEFKLVDAE EVARLWGLRK NKTNMNYDKL SRALRYYYDK NIIRKVSGQK
FVYKFVSYPE VAGCSTEDCP PQPEVSVTST MPNVAPAAIH AAPGDTVSGK PGTPKGAGMA GPGGLARSSR NEYMRSGLYS
TFTIQSLQPQ PPPHPRPAVV LPSAAPAGAA APPSGSRSTS PSPLEACLEA EEAGLPLQVI LTPPEAPNLK SEELNVEPGL
GRALPPEVKV EGPKEELEVA GERGFVPETT KAEPEVPPQE GVPARLPAVV MDTAGQAGGH AASSPEISQP QKGRKPRDLE
LPLSPSLLGG PGPERTPGSG SGSGLQAPGP ALTPSLLPTH TLTPVLLTPS SLPPSIHFWS TLSPIAPRSP AKLSFQFPSS
GSAQVHIPSI SVDGLSTPVV LSPGPQKP