ADAT2 cDNA

Catalog Number: ATGD0059

PRODUCT INFORMATION

Catalog number
ATGD0059

Product type
cDNA

Species
Human

NCBI Accession No.
NP_872309.2

Alternative Names
DEADC1, dJ20N2, dJ20N2.1, TAD2

mRNA Refseq
NM_182503.2

OMIM
615388

Chromosome location
6q24.2

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
576bp

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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Adenosine deaminase (ADA), also known as ADAT2 is an enzyme involved in purine metabolism. It is needed for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. Also, ADAT2 is thought to participate in the deamination of adenosine-34 to inosine in many tRNAs. Belonging to the cytidine and deoxycytidylate deaminase protein family, ADAT2 employs zinc as a cofactor. ADAT2 is a 191 amino acid protein that exists as two isoforms produced by alternative splicing events.

DATA

Sequence nucleotides

ATGGAGGCGA AGGCGGCACC CAAGCCAGCT GCAAGCGGCG CGTGCTCGGT GTCGGCAGAG GAGACCGAAA
AGTGGATGGA GGAGGCGATG CACATGGCCA AAGAAGCCCT CGAAAATACT GAAGTTCCTG TTGGCTGTCT
TATGGTCTAC AACAATGAAG TTGTAGGGAA GGGGAGAAAT GAAGTTAACC AAACCAAAAA TGCTACTCGA
CATGCAGAAA TGGTGGCCAT CGATCAGGTC CTCGATTGGT GTCGTCAAAG TGGCAAGAGT CCCTCTGAAG
TATTTGAACA CACTGTGTTG TATGTCACTG TGGAGCCGTG CATTATGTGT GCAGCTGCTC TCCGCCTGAT
GAAAATCCCG CTGGTTGTAT ATGGCTGTCA GAATGAACGA TTTGGTGGTT GTGGCTCTGT TCTAAATATT
GCCTCTGCTG ACCTACCAAA CACTGGGAGA CCATTTCAGT GTATCCCTGG ATATCGGGCT GAGGAAGCAG
TGGAAATGTT AAAGACCTTC TACAAACAAG AAAATCCAAA TGCACCAAAA TCGAAAGTTC GGAAAAAGGA
ATGTCAGAAA TCTTGA

Transaction Sequence

MEAKAAPKPA ASGACSVSAE ETEKWMEEAM HMAKEALENT EVPVGCLMVY NNEVVGKGRN EVNQTKNATR
HAEMVAIDQV LDWCRQSGKS PSEVFEHTVL YVTVEPCIMC AAALRLMKIP LVVYGCQNER FGGCGSVLNI ASADLPNTGR
PFQCIPGYRA EEAVEMLKTF YKQENPNAPK SKVRKKECQK S