

DTD1 cDNA

Catalog Number: ATGD0328

PRODUCT INFORMATION

Catalog number

ATGD0328

Product type

cDNA

Species

Human

NCBI Accession No.

NP_543010.3

Alternative Names

bA379J5.3, bA555E18.1, C20orf88, DUE-B, DUEB, HARS2, pqn-68

mRNA Refseq

NM_080820.4

OMIM

610996

Chromosome location

20p11.23

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

630bp

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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DTD1 is similar in sequence to histidyl-tRNA synthetase, which hydrolyzes D-tyrosyl-tRNA (Tyr) into D-tyrosine and free tRNA (Tyr). This protein is found in the cytoplasm.

DATA

Sequence nucleotides

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ATGAAGGCCGTGGTGCAGCGCGTCACCCGGGCCAGCGTCACAGTTGGAGGAGAGCAGATTAGTGCCATTGGAAGGGGCAT
ATGTGTGTTGCTGGGTATTTCCCTGGAGGATACGCAGAAGGAACTGGAACACATGGTCCGAAAGATTCTAAACCTGCGTGT
ATTTGAGGATGAGAGTGGGAAGCACTGGTTCGAAGAGTGTGATGGACAAACAGTACGAGATTCTGTGTGTCAGCCAGTTTAC
CCTCCAGTGTGTCCTGAAGGAAACAAGCCTGATTTCCACCTAGCAATGCCACGGAGCAGGCAGAGGGCTTCTACAACAG
CTTCCTGGAGCAGCTGCGTAAAACATACAGGCCGGAGCTTATCAAAGATGGCAAGTTTGGGGCCTACATGCAGGTGCACAT
TCAGAATGATGGGCCTGTGACCATAGAGCTGGAATCGCCAGCTCCCGGCACTGCTACCTCTGACCCAAAGCAGCTGTCAA
GCTCGAAAAACAGCAGCAGAGGAAAGAAAAGACCAGAGCTAAGGGACCTTCTGAATCAAGCAAGGAAAGAAACACTCCCC
GAAAAGAAGACCGCAGTGCCAGCAGCGGGGCTGAGGGCGACGTGTCCTCTGAACGGGAGCCGTAG
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Transaction Sequence

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MKAVVQRVTR ASVTVGGEQI SAIRGICVL LGISLEDTQK ELEHMVRKIL NLRVFEDESG KHWSKSVMDK QYEILCVSQF
TLQCVLKGNK PDFHLAMPTE QAEGFYNSFL EQLRKTYRPE LIKDGKFGAY MQVHIQNDGP VTIELESPAP GTATSDPKQL
SKLEKQQQRK EKTRAKGPSE SSKERNTPRK EDRSASSGAE GDVSSEREP
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