

IMP4 cDNA

Catalog Number: ATGD0321

PRODUCT INFORMATION

Catalog number

ATGD0321

Product type

cDNA

Species

Human

NCBI Accession No.

NP_219484.1

Alternative Names

BXDC4

mRNA Refseq

NM_033416.1

OMIM

612981

Chromosome location

2q21.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

876bp

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 Nde 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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IMP4 forms a ternary complex with IMP3 and MPP10 that interacts with U3 small nucleolar RNA (snoRNA), which is required for the early cleavage steps in pre-rRNA processing

DATA

Sequence nucleotides

ATGCTGCGCCGCGAGGCCCGCCTGCGCCGCGAGTACCTGTACCGCAAGGCCCGGGAGGAGGCGCAGCGCTCAGCCCAGG
AGAGGAAGGAGCGGCTGCGGCCGCGCGCTGGAAGAAAACCGCCTGATTCCCACTGAGTTACGCCGAGAGGCTCTGGCCTTA
CAGGGGTCCCTGGAGTTTATGATGATGCTGGAGGTGAAGGTGTGACCAGCCACGTGGATGATGAATACCGATGGGCAGGAGT
CGAGGATCCCAAGGTTATGATCACTACCTCCCGAGACCCAGTTCCCGCCTCAAGATGTTTGCAAAGGAGCTGAAGCTGGT
GTTCCCGGGCGCCCAGCGAATGAACCGAGGTGACATGAAGTGGGGGCACTGGTGCGAGCCTGCAAAGCCAACGGCGTC
ACCGATCTGCTGGTCGTTACGAGCATCGGGGCACACCTGTGGGGCTCATCGTCAGCCACCTGCCCTTTGGTCCTACTGCC
TACTTCACGCTGTGCAATGTGGTCATGCGGCATGACATCCCAGACCTGGGCACCATGTGCGAGGCCAAGCCCCACCTCATC
ACACACGGCTTCTCCTCCCGCCTGGGCAAGCGGGTCTCTGACATCCTCCGATACCTATTTCCCGTGCCCAAAGATGACAGCC
ACCGGGTCATCACCTTCGCAAACCAGGACGACTACATATCATTCCGGCACCATGTGTATAAGAAGACAGACCACCGCAACG
TGGAGCTCACTGAGGTCGGGCCCCGCTTTGAGCTGAAGCTGTACATGATCCGTCTGGGCACGCTGGAGCAGGAGGCCACA
GCAGACGTGGAGTGGCGCTGGCACCTTACACCAATACCGCACGCAAGAGAGTCTTCCTGAGCACCGAGTGA

Transaction Sequence

MLRREARLRR EYLYRKAREE AQRSAQERKE RLRRALEENR LIPTELRREA LALQGSLEFDDAGGEGVTSH VDDEYRWAGV
EDPKVMITTS RDPSSRLKMF AKELKLVFPG AQRMNRGRHEVGALVRACKA NGVTDLLVVH EHRGTPVGLI VSHLPFGPTA
YFTLCNVVMR HDIPDLGTMSEAKPHLITHG FSSRLGKRVS DILRYLFPVP KDDSHRVITF ANQDDYISFR
HHVYKKTDRHVELTEVGPR FELKLYMIRL GTLEQEATAD VEWRWHPYTN TARKRVFLST E