

NME2 cDNA

Catalog Number: ATGD0013

PRODUCT INFORMATION

Catalog number

ATGD0013

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001018149.1

Alternative Names

NDKB, NDPK-B, NDPKB, NM23-H2, NM23B, PUF

mRNA Refseq

NM_001018139.2

OMIM

156491

Chromosome location

17q21.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

459bp

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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NME2, also known as NM23B, is a heterodimeric protein functioning as a nucleoside diphosphate (NDP) kinase. NME1 and NME2 comprise the 152 amino acid A and B polypeptide chains of the NM23 enzyme, respectively. NME2 is identical to the beta subunit of human erythrocyte NDP kinase. NDP kinases are involved in the synthesis of nucleoside triphosphates, and NM23 may act in the regulation of signal transduction by complexing with G proteins, causing activation/inactivation of developmental pathways

DATA

Sequence nucleotides

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ATGGCCAACC TGGAGCGCAC CTTTCATCGCC ATCAAGCCGG ACGGCGTGCA GCGCGGCCTG GTGGGCGAGA
TCATCAAGCG CTTTCGAGCAG AAGGGATTCC GCCTCGTGGC CATGAAGTTC CTCCGGGCCT CTGAAGAACA
CCTGAAGCAG CACTACATTG ACCTGAAAGA CCGACCATTG TTCCCTGGGC TGGTGAAGTA CATGAACTCA
GGGCCGGTTG TGGCCATGGT CTGGGAGGGG CTGAACGTGG TGAAGACAGG CCGAGTGATG CTTGGGGAGA
CCAATCCAGC AGATTCAAAG CCAGGCACCA TTCGTGGGGA CTTCTGCATT CAGGTTGGCA GGAACATCAT
TCATGGCAGT GATTGAGTAA AAAGTGCTGA AAAAGAAATC AGCCTATGGT TTAAGCCTGA AGAACTGGTT
GACTACAAGT CTTGTGCTCA TGAAGGGTC TATGAATAA
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Transaction Sequence

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MANLERTFIA IKPDGVQRGL VGEIIRFEQ KGFRVLAMKF LRASEEHLKQ HYIDLKDRPF FPGLVKYMNS GPVVAMVWEG
LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVKSAEKEI SLWFKPEELV DYKSCAHDWV YE
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