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

ATGGCCAACC TGGAGCGCAC CTTCATCGCC ATCAAGCCGG ACGGCGTGCA GCGCGGCCTG GTGGGCGAGA TCATCAAGCG CTTCGAGCAG AAGGGATTCC GCCTCGTGGC CATGAAGTTC CTCCGGGCCT CTGAAGAACA CCTGAAGCAG CACTACATTG ACCTGAAAGA CCGACCATTC TTCCCTGGGC TGGTGAAGTA CATGAACTCA GGGCCGGTTG TGGCCATGGT CTGGGAGGGG CTGAACGTGG TGAAGACAGG CCGAGTGATG CTTGGGGAGA CCAATCCAGC AGATTCAAAG CCAGGCACCA TTCGTGGGGA CTTCTGCATT CAGGTTGGCA GGAACATCAT TCATGGCAGT GATTCAGTAA AAAGTGCTGA AAAAGAAATC AGCCTATGGT TTAAGCCTGA AGAACTGGTT GACTACAAGT CTTGTGCTCA TGACTGGGTC TATGAATAA

Transaction Sequence

MANLERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVAMKF LRASEEHLKQ HYIDLKDRPF FPGLVKYMNS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVKSAEKEI SLWFKPEELV DYKSCAHDWV YE