

## NME2 cDNA

Catalog Number: ATGD0013

### PRODUCT INFORMATION

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**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

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**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

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#### Sequence nucleotides

```
ATGGCCAACC TGGAGCGCAC CTTTCATCGCC ATCAAGCCGG ACGGCGTGCA GCGCGGCCTG GTGGGCGAGA
TCATCAAGCG CTTTCGAGCAG AAGGGATTCC GCCTCGTGGC CATGAAGTTC CTCCGGGCCT CTGAAGAACA
CCTGAAGCAG CACTACATTG ACCTGAAAGA CCGACCATT CTTCCCTGGGC TGGTGAAGTA CATGAACTCA
GGGCCGTTG 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 VGEIIRFEQ KGFRLVAMKF LRASEEHLKQ HYIDLKDRPF FPGLVKYMNS GPVAMVWEG
LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVKSAEKEI SLWFKPEELV DYKSCAHDWV YE
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