

## AR09389PU-L

## Human NDP kinase B / NME2 (1-152) - Purified

### Alternate names:

C-myc purine-binding transcription factor PUF, NDK B, NM23B, Nucleoside diphosphate kinase B

### Quantity:

0.5 mg

### Concentration:

1.0 mg/ml (determined by Bradford assay)

### Background:

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.

### Uniprot ID:

[P22392](#)

### NCBI:

[NP\\_001018149](#)

### GenelD:

[4831](#)

### Species:

Human

### Source:

E. coli

### Format:

**State:** Liquid purified protein

**Purity:** >95% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

### Description:

Recombinant human NME2 protein was expressed in E.coli and purified by using conventional chromatography techniques.

#### AA Sequence:

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

**Molecular weight:** 17.2 kDa (152 aa)

### Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

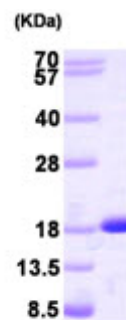
Shelf life: one year from despatch.

### General Readings:

Munkonge FM., et al. (2009) J Biol Chem. 284(39):26978-87.

Treharne KJ., et al. (2009) FEBS Lett. 583(17):2789-92.

**Pictures:**



15% SDS-PAGE (3ug)

Recombinant human NME2, 1-152 aa:  
15% SDS-PAGE (3 µg)

