



[Go to Product page](#)

Datasheet for ABIN6387709  
**NME2 Protein (AA 1-152)**

1 Image

Overview

Quantity:	100 µg
Target:	NME2
Protein Characteristics:	AA 1-152
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MANLERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVAMKF LRASEEHLKQ HYIDLKDRPF FPGLVKYMNS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVKSAAEKEI SLWFKPEELV DYKSCAHDWV YE
Purity:	> 90 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 1,800 units/mg, and is defined as the amount of enzyme that convert 1.0 umole each of ATP and TDP to ADP and TTP per minute at pH 7.5 at 25C in a couple system with PK/LDH.

Target Details

Target:	NME2
Alternative Name:	NME2 ( <a href="#">NME2 Products</a> )

## Target Details

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

**Molecular Weight:** 17.2 kDa (152aa), confirmed by MALDI-TOF

**NCBI Accession:** [NP\\_001018149](#)

**UniProt:** [P22392](#)

## Application Details

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**Application Notes:** Optimal working dilution should be determined by the investigator.

**Comment:** Bioactivity Validated

**Restrictions:** For Research Use only

## Handling

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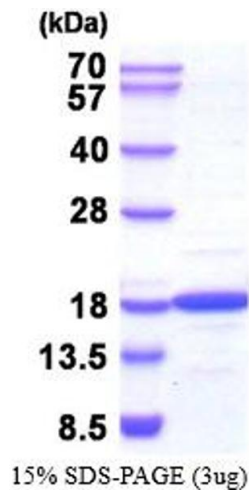
**Format:** Liquid

**Concentration:** 1 mg/mL

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

**Storage:** 4 °C,-20 °C,-80 °C

**Storage Comment:** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



### SDS-PAGE

Image 1.