

Recombinant human NM23-H2/NME2 protein

Catalog Number: ATGP0490

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-152aa

UniProt No.

P22392

NCBI Accession No.

NP_001018149.1

Alternative Names

NME/NM23 nucleoside diphosphate kinase 2, Nucleoside diphosphate kinase B, C-myc purine-binding transcription factor PUF, Histidine protein kinase NDKB, NDK B, NDP kinase B, NM23B, NDPKB

PRODUCT SPECIFICATION

Molecular Weight

17.2 kDa (152aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

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

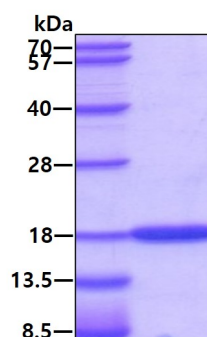
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.