

Recombinant rat NM23-H2/NME2 protein

Catalog Number: ATGP3150

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-152aa

UniProt No.

P19804

NCBI Accession No.

NP_114021

Alternative Names

Nucleoside diphosphate kinase B, NDKB, nm23-2, p18-12d, NME/NM23 nucleoside diphosphate kinase 2, NDP kinase B, Histidine protein kinase NDKB, NM23B

PRODUCT SPECIFICATION

Molecular Weight

19.7 kDa (175aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 30% glycerol, 0.15M NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

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 nucleoside diphosphate kinaseB is a heterodimeric protein functioning as a nucleoside diphosphate (NDP) kinase. Nme2 is a ubiquitous enzyme that catalyses phosphorylation of nucleoside 5-diphosphate (NDP) to the corresponding triphosphate (NTP), following a Ping-Pong mechanism which includes the formation of a phosphohistidine intermediate. Recombinant rat Nme2, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMANLERT FIAIKPDGVQ RGLVGEIIR FEQKGFRLVA MKFLRASEEH LKQHYIDLKD
RPFPPGLVKY MNSGPVVAMV WEGLNVVKTG RVMLGETNPA DSKPGTIRGD FCIQVGRNII HGSDSVESAE KEIGLWFKPE
ELIDYKSCAH DWVYE

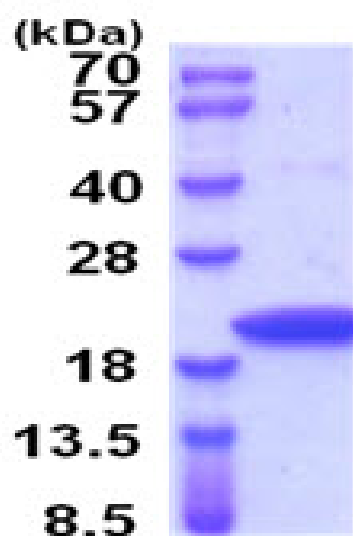
General References

Ishikawa N., et al. (1992) J. Biol. Chem. 267(20):14366-72.

Hemmerich S., et al. (1992) Biochemistry. 31(19):4574-9.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)