

# Recombinant human NME4 protein

Catalog Number: ATGP1046

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

33-187aa

### UniProt No.

O00746

### NCBI Accession No.

NP\_005000

### Alternative Names

Nucleoside diphosphate kinase mitochondrial, Nucleoside diphosphate kinase, mitochondrial, NDK, NDPKD, nm23-H4, NM23D

## PRODUCT SPECIFICATION

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### Molecular Weight

19.6 kDa (176aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.2M 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

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### Description

NME4, also known as nucleoside diphosphate kinase, mitochondrial, belongs to the NDK family. NME4 are ubiquitous enzymes that catalyze transfer of gamma-phosphates, via a phosphohistidine intermediate, between nucleoside and dioxynucleoside tri- and diphosphates. The enzymes are products of the nm23 gene family, which includes NME4. NME4 plays a major role in the synthesis of nucleoside triphosphates other than ATP. Recombinant human NME4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography.

## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MPSWTRERTL VAVKPDGVQR RLVGDVIQRF ERRGFTLVGM KMLQAPESVL  
AEHYQDLRRK PFYPALIRYM SSGPVVAMVW EGYNVVRASR AMIGHTDSAE AAPGTIRGDF SVHISRNVIH ASDSVEGAQR  
EIQLWFQSS E LVSADGGQH SSIHPA

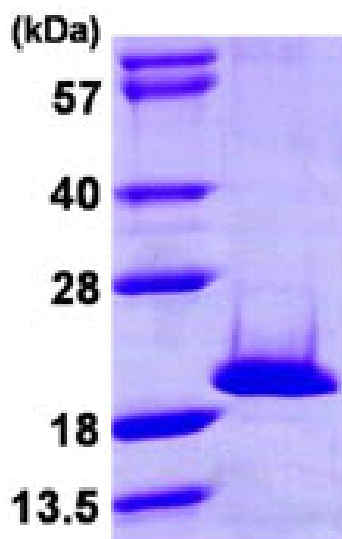
## General References

Milon L., et al. (1997) Hum. Genet. 99:550-557

Milon L., et al. (2000) Biol. Chem. 275:14264-14272

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)