

Recombinant Human NME4, His-tagged

Cat. No. NME4-795H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NME4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (33-187aa).
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.2M NaCl
Molecular Weight	19.6 kDa (176aa) confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MPSWTRERTL VAVKPDGVQR RLVGDVIQRF ERRGFTLVGM KMLQAPESVL AEHYQDLRRK PFYPALIRYMSSGPVVAMVW EGYNVVRASR AMIGHTDSAE AAPGTIRGDF SVHISRNVIH ASDSVEGAQR

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EIQLWFQSSE LVSWADGGQH SSIHPA

Storage

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

GENE INFORMATION
Gene Name

NME4 non-metastatic cells 4, protein expressed in[Homo sapiens]

Synonyms

NME4; NDPK-D; NM23H4; nm23-H4; nucleoside diphosphate kinase, mitochondrial; NDK; nucleoside diphosphate kinase D; NDPKD; NDP kinase D; OTTHUMP00000194917; OTTHUMP00000194919; OTTHUMP00000206530; NDP kinase, mitochondrial; NP_005000.1; EC 2.7.4.6

Gene ID

4833

mRNA Refseq

NM_005009

Protein Refseq

NP_005000

MIM

601818

UniProt ID

O00746

**Chromosome
Location**

16p13.3

Function

ATP binding; kinase activity; metal ion binding; nucleoside diphosphate kinase activity; nucleotide binding; transferase activity

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