

NME4 recombinant protein

NME4, 33-187aa, Human, His tag, E Coli

CATALOG # AAA48696	HOST E Coli	APPLICATIONS SDS-Page
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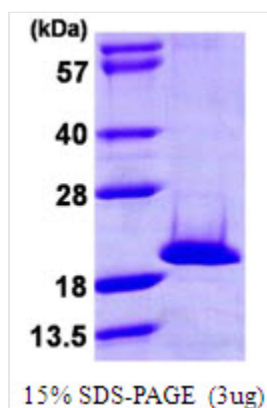
PRODUCT SYNONYMS

NME4; 33-187aa; Human; His tag; E Coli; Nucleoside diphosphate kinase mitochondrial; Nucleoside diphosphate kinase; mitochondrial; NDK; NDPKD; nm23-H4; NM23D; NME4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 40% glycerol, 0.2M NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MPSWTRERTL VAVKPDGVQR RLVGDIQRF ERRGFTLVGM KMLQAPESVL AEHYQDLRRK PFYPALIRYM SSGPVVAMVW EGYNVVRASR AMIGHTDAE AAPGTIRGDF SVHISRNVIH ASDSVEGAQR EIQLWFQSSE LVSWADGGQH SSIHPA
Sequence Length	187
Applicable Applications for NME4 recombinant protein	SDS-PAGE
Tag	His-tag
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NME4 recombinant protein	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 conventional chromatography.
Product Categories/Family for NME4 recombinant protein	Metabolism
References	Milon L., et al. (1997) Hum. Genet. 99:550-557; Milon L., et al. (2000) Biol. Chem. 275:14264-14272

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826862
NCBI GeneID	4833
NCBI Accession #	NP_005000
NCBI GenBank Nucleotide #	NM_005009.2
UniProt Accession #	O00746; Q5U0M9; A2IDD0
Molecular Weight	19.6 kDa (176aa) confirmed by MALDI-TOF
NCBI Official Full Name	nucleoside diphosphate kinase, mitochondrial isoform a
NCBI Official Synonym Full Names	NME/NM23 nucleoside diphosphate kinase 4
NCBI Official Symbol	NME4
NCBI Official Synonym Symbols	NDPK-D; NM23H4; nm23-H4
NCBI Protein Information	nucleoside diphosphate kinase, mitochondrial
UniProt Protein Name	Nucleoside diphosphate kinase, mitochondrial
UniProt Gene Name	NME4
UniProt Synonym Gene Names	NM23D; NDK; NDP kinase, mitochondrial; NDPKD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.