

Recombinant Human NME4, His-tagged

Cat. No. NME4-28746TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human mature NME4 with an N terminal His tag; 176 amino acids, predicted MWt 19.6kDa.
Species	Human
Source	E.coli
ProteinLength	155 amino acids
Description	The nucleoside diphosphate (NDP) kinases (EC 2.7.4.6) 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 (Milon et al.
Conjugation	HIS
Molecular Weight	19.600kDa inclusive of tags
Tissue specificity	Widely distributed. Found at very high levels in prostate, heart, liver, small intestine, and skeletal muscle tissues, and in low amounts in the brain and in blood leukocytes.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 40% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMPSWTRERTLVAVKPDGVQRRLVGDVIQRFERRG FTLVGMKMLQAPESVLAEHYQDLRRKPFYPALIRYMSSGPVVAMVWEGYNVVRAS RAMIGHTDSAEAAPGTIRGDFSVHISRNVIHASDSVEGAQREIQLWFQSSELVSWAD GGQHSSIHPA
Sequence Similarities	Belongs to the NDK family.

GENE INFORMATION

Gene Name	NME4 non-metastatic cells 4, protein expressed in [Homo sapiens]
Official Symbol	NME4
Synonyms	NME4; non-metastatic cells 4, protein expressed in; nucleoside diphosphate kinase, mitochondrial; nm23 H4; NM23H4;
Gene ID	4833
mRNA Refseq	NM_005009
Protein Refseq	NP_005000
MIM	601818

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Uniprot ID	O00746
Chromosome Location	16p13.3
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem;
Function	ATP binding; kinase activity; metal ion binding; nucleoside diphosphate kinase activity; nucleoside diphosphate kinase activity;

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