

Recombinant Human NME1

Cat. No. NME1-28097TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NM23A; amino acids 1-152 , 17.1kDa.
Species	Human
Source	E.coli
ProteinLength	1-152 a.a.
Description	This gene (NME1) was identified because of its reduced mRNA transcript levels in highly metastatic cells. Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of A (encoded by this gene) and B (encoded by NME2) isoforms. Mutations in this gene have been identified in aggressive neuroblastomas. Two transcript variants encoding different isoforms have been found for this gene. Co-transcription of this gene and the neighboring downstream gene (NME2) generates naturally-occurring transcripts (NME1-NME2), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product.
Tissue specificity	Isoform 1 is expressed in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, spleen and thymus. Expressed in lung carcinoma cell lines but not in normal lung tissues. Isoform 2 is ubiquitously expressed and its expression is also related to t
Form	Liquid
Purity	>95% by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MANCERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVGLKF MQASEDLLKE HYVDLKDRPF FAGLVKYMHS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVESAEKEI GLWFHPEELV DYTSCAQNWI YE
Sequence Similarities	Belongs to the NDK family.
Full Length	Full L.

GENE INFORMATION

Gene Name	NME1 non-metastatic cells 1, protein (NM23A) expressed in [Homo sapiens]
Official Symbol	NME1
Synonyms	NME1; non-metastatic cells 1, protein (NM23A) expressed in; nucleoside diphosphate kinase A; NM23; NM23 H1;
Gene ID	4830
mRNA Refseq	NM_000269
Protein Refseq	NP_000260
MIM	156490
Uniprot ID	P15531

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Chromosome Location	17q21.33
Pathway	Arf6 downstream pathway, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; E-cadherin signaling in the nascent adherens junction, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	ATP binding; GTP binding; deoxyribonuclease activity; gamma-tubulin binding; identical protein binding;

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