

Recombinant Rat Nme2 protein, His-tagged

Cat. No. Nme2-33R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Nme2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Rat
Source	E.coli
Description	Nme2 also known as nucleoside diphosphate kinaseB is a heterodimeric protein functioning as a nucleoside diphosphate (NDP) kinase. Nme2 is a ubiquitous enzyme that catalyses phosphorylation of nucleoside 5'-diphosphate (NDP) to the corresponding triphosphate (NTP), following a Ping-Pong mechanism which includes the formation of a phosphohistidine intermediate.
Form	Liquid. In Phosphate Buffered Saline pH 7.4 containing 10% glycerol
Molecular Mass	19.7kDa (175aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMANLERT FIAIKPDGVQ RGLVGEIIR FEQKGFRLLVA MKFLRASEEH LKQHYIDLKD RPFPPGLVKYMNSGPVVAMV WEGLNVVKTG RVMLGETNPA DSKPGTIRGD FCIQVGRNII HGSDSVESAE KEIGLWFKPE ELIDYKSCAH DWVYE
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot

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and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name Nme2 non-metastatic cells 2, protein (NM23B) expressed in [Rattus norvegicus]

Official Symbol Nme2

Synonyms NME2; non-metastatic cells 2, protein (NM23B) expressed in; nucleoside diphosphate kinase B; P18; NDK B; NDP kinase B; NDP kinase alpha; histidine protein kinase NDKB; expressed in non-metastatic cells 2; NDKB; nm23-2; p18-12d;

Gene ID 83782

mRNA Refseq NM_031833

Protein Refseq NP_114021

MIM

UniProt ID

Pathway Metabolic pathways, organism-specific biosystem; Nucleotide Metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem; Pyrimidine ribonucleotide biosynthesis, UMP =>

Function ATP binding; drug binding; enzyme binding; fatty acid binding; intermediate filament

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binding; kinase activity; metal ion binding; nucleoside diphosphate kinase activity;
nucleoside diphosphate kinase activity; nucleotide binding; protein histidine kinase

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