

Recombinant Human NME2 293 Cell Lysate

Cat. No. NME2-3790HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for non-metastatic cells 2, protein (NM23B) expressed in (NME2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NME2 non-metastatic cells 2, protein (NM23B) expressed in [Homo sapiens]

Official Symbol

NME2

Synonyms

NME2; non-metastatic cells 2, protein (NM23B) expressed in; nucleoside diphosphate kinase B; NM23 H2; NDP kinase B; c-myc transcription factor; histidine protein kinase NDKB; nucleotide diphosphate kinase B; c-myc purine-binding transcription factor PUF; non-metastatic cells 2, protein (NM23) expressed in; PUF; NDKB; NDPKB; NM23B; NDPK-B; NM23-H2; MGC2212; MGC111212;

Gene ID

4831

mRNA Refseq

NM_002512

Protein Refseq

NP_002503

MIM

156491

UniProt ID

P22392

**Chromosome
Location**

17q21.33

Pathway

Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Nucleotide

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Metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem;

Function

ATP binding; DNA binding; kinase activity; metal ion binding; nucleoside diphosphate kinase activity; nucleotide binding; protein binding; protein histidine kinase activity; sequence-specific DNA binding transcription factor activity; transferase activity;

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