

Recombinant Human NME1 293 Cell Lysate

Cat. No. NME1-3792HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for non-metastatic cells 1, protein (NM23A) expressed in (NME1), 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

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; NDP kinase A; granzyme A-activated DNase; metastasis inhibition factor nm23; tumor metastatic process-associated protein; NB; AWD; NBS; GAAD; NDKA; NDPKA; NDPK-A; NM23-H1;

Gene ID

4830

mRNA Refseq

NM_000269

Protein Refseq

NP_000260

MIM

156490

UniProt ID

P15531

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;

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Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem;

Function

ATP binding; GTP binding; deoxyribonuclease activity; gamma-tubulin binding; identical protein binding; kinase activity; magnesium ion binding; nucleoside diphosphate kinase activity; nucleotide binding; protein binding; transferase activity;

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