

Recombinant Human NME4 293 Cell Lysate

Cat. No. NME4-3789HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for non-metastatic cells 4, protein expressed in (NME4), nuclear gene encoding mitochondrial protein 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

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; NDK; NDPKD; NDP kinase D; NDP kinase, mitochondrial; nucleoside diphosphate kinase D; NDPK-D; nm23-H4;

Gene ID

4833

mRNA Refseq

NM_005009

Protein Refseq

NP_005000

MIM

601818

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; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism,

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conserved biosystem;

Function

ATP binding; kinase activity; metal ion binding; nucleoside diphosphate kinase activity; nucleoside diphosphate kinase activity; nucleotide binding; transferase activity;

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