

Recombinant Human NME7 293 Cell Lysate

Cat. No. NME7-3786HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase) (NME7), transcript variant 2 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

NME7 non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase) [Homo sapiens]

Official Symbol

NME7

Synonyms

NME7; non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase); nucleoside diphosphate kinase 7; FLJ37194; NM23 H7; NDK 7; NDP kinase 7; nucleoside-diphosphate kinase 7; MN23H7; nm23-H7;

Gene ID

29922

mRNA Refseq

NM_013330

Protein Refseq

NP_037462

MIM

613465

UniProt ID

Q9Y5B8

Chromosome Location

1q24.2

Pathway

Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem;

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Pyrimidine ribonucleotide biosynthesis, UMP =>UDP/UTP,CDP/CTP, organism-specific biosystem;

Function

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

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