

Human NME1 Knockdown Cell Lysate

Cat. No. NME1-256HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated NME1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene (NME1) was identified because of its reduced mRNA transcript levels in highly metastatic cells. Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by this gene) and 'B' (encoded by NME2) isoforms. Mutations in this gene have been identified in aggressive neuroblastomas. Two transcript variants encoding different isoforms have been found for this gene. Co-transcription of this gene and the neighboring downstream gene (NME2) generates naturally-occurring transcripts (NME1-NME2), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product.
Form	Cell-Tissue Lysis buffer
Molecular Mass	17 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg NME1 KD HeLa cell lysate
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	NME1 non-metastatic cells 1, protein (NM23A) expressed in [Homo sapiens (human)]
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

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UniProt ID

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