Recombinant Human NME5 293 Cell Lysate

Cat. No. NME5-3788HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase) (NME5) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	NME5 non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase) [Homo sapiens]
Official Symbol	NME5
Synonyms	NME5; non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase); nucleoside diphosphate kinase homolog 5; nm23 H5; radial spoke 23 homolog (Chlamydomonas); RSPH23; NDK-H 5; IPIA-beta; NDP kinase homolog 5; radial spoke 23 homolog; testis-specific nm23 homolog; inhibitor of p53-induced apoptosis-beta; NM23H5; NM23-H5;
Gene ID	8382
mRNA Refseq	NM_003551
Protein Refseq	NP_003542
MIM	603575
UniProt ID	P56597
Chromosome Location	5q31.2
Pathway	Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-

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	specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem; Pyrimidine ribonucleotide biosynthesis, UMP =>UDP/UTP,CDP/CTP, organism-specific biosystem;
Function	ATP binding; nucleoside diphosphate kinase activity;

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