

Recombinant Human NPM1 293 Cell Lysate

Cat. No. NPM1-3738HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for nucleophosmin (nucleolar phosphoprotein B23, numatrin) (NPM1), 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	NPM1 nucleophosmin (nucleolar phosphoprotein B23, numatrin) [Homo sapiens]
Official Symbol	NPM1
Synonyms	NPM1; nucleophosmin (nucleolar phosphoprotein B23, numatrin); nucleophosmin; B23; NPM; nucleolar phosphoprotein B23; nucleophosmin/nucleoplasmin family; member 1; numatrin; nucleolar protein NO38; nucleophosmin/nucleoplasmin family, member 1; MGC104254;
Gene ID	4869
mRNA Refseq	NM_199185
Protein Refseq	NP_954654
MIM	164040
UniProt ID	P06748
Chromosome Location	5q35.1
Pathway	Aurora B signaling, organism-specific biosystem; BARD1 signaling events, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; Disease, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific

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biosystem;

Function

NF-kappaB binding; NF-kappaB binding; RNA binding; Tat protein binding; histone binding; nucleic acid binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein kinase binding; ribosomal large subunit binding; ribosomal small subunit binding; transcription coactivator activity; unfolded protein binding; unfolded protein binding;

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