Recombinant Human NPM1 protein, Flag-tagged

Cat. No. NPM1-4839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPM1, transcript variant 3, fused with Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a phosphoprotein which moves between the nucleus and the cytoplasm. The gene product is thought to be involved in several processes including regulation of the ARF/p53 pathway. A number of genes are fusion partners have been characterized, in particular the anaplastic lymphoma kinase gene on chromosome 2. Mutations in this gene are associated with acute myeloid leukemia. More than a dozen pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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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_001037738
Protein Refseq	NP_001032827
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 biosystem;
Function	NF-kappaB binding; NF-kappaB binding; RNA binding; Tat protein binding; histone binding; nucleic acid binding; protein binding; protein heterodimerization activity;

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	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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