

AR50400PU-N

Human Nucleophosmin (1-294, His-tag) - Purified

Alternate names:	NPM, NPM1, Nucleolar Phosphoprotein B23, Nucleolar Protein NO38, Numatrin
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	NPM1 is a phosphoprotein which moves between the nucleus and the cytoplasm. It 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 NPM1 are associated with acute myeloid leukemia.
Uniprot ID:	P06748
NCBI:	NP_002511
GeneID:	4869
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl, 1mM DTT
Description:	Recombinant human NPM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SGLVPRGSH MEDSMDMDMS PLRPQNYLFG CELKADKDYH FKVDNDENEH QLSLRTVSLG AGAKDELHIV EAEAMNYEGS PIKVTLATLK MSVQPTVSLG GFEITPPVVL RLKCGSGPVH ISGQHLVAVE EDAESEDEEE EDVKLLSISG KRSAPGGGSK VPQKKVKLAA DEDDDDDEE DDEDDDDDD FDDEEAEEKA PVKKSIRDTP AKNAQKSNQN GKDSKPSSTP RSKGQESFKK QEKTPKTPKG PSSVEDIKAK MQASIEKGGG LPKVEAKFIN YVKNCFRMTD QEAIQDLWQW RKSL Molecular weight: 34.7 kDa (314aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Sagawa, F., et al. (2011) EMBO J. 30 (19), 3994-4005. Neubauer, A., et al. (2011) Exp. Hematol. 39 (10), 1030-1042.

Pictures:

