

## NPM1

### Recombinant Human Nucleophosmin His

<b>Catalog No.</b>	CS471A CS471B CS471C	<b>Quantity:</b>	5 µg 20 µg 1 mg
<b>Alternate Names:</b>	Nucleolar phosphoprotein B23, Nucleolar protein NO38, Numatrin, NPM, B23		
<b>Description:</b>	<p>Nucleophosmin (NPM1) is a phosphoprotein which shuffles between the nucleus and the cytoplasm. NPM1 is assumed to be involved in a number of processes including regulation of the ARF/p53 pathway. Several genes fusion partners have been described, particularly the anaplastic lymphoma kinase gene on chromosome 2. NPM1 gene mutations are linked with acute myeloid leukemia.</p> <p>Recombinant Human NPM1 is a single, non-glycosylated polypeptide chain containing 314 amino acids (aa1-294) fused to a 20 amino acid His-tag at N-terminus and purified by proprietary chromatographic techniques.</p>		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	4869		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Mass:</b>	34.7 kDa		
<b>Formulation:</b>	Sterile filtered colorless solution containing 20 mM Tris-HCl buffer, pH 8.0, + 10% glycerol + 0.15 M NaCl + 1 mM DTT.		
<b>Purity:</b>	>85.0% as determined by SDS-PAGE.		
<b>Amino Acid Sequence:</b>	<p><b><u>MGSSHHHHH SSGLVPRGSH</u></b> MEDSMDMDMS PLRPQNYLFG CELKADKDYH            FKVDNDENEH QLSLRTVSLG AGAKDELHIV EAEAMNYEGS PIKVTLATLK            MSVQPTVSLG GFEITPPVVL RLKCGSGPVH ISGQHLVAVE EDAESEDEEE            EDVKLLSISG KRSAPGGGSK VPQKKVKLAA DEDDDDDDEE DDDDDDDDDD            FDDEEAEEKA PVKKSIRDTP AKNAQKSNQN GKDSKPSSTP RSKGQESFKK            QEKTPKTPKG PSSVEDIKAK MQASIEKGS LPKVEAKFIN YVKNCFRMTD            QEAIQDLWQW RKSL.</p>		
<b>Storage &amp; Stability:</b>	Store at 2-4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). <b>Avoid repeated freeze-thaw cycles.</b>		

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