Active Recombinant Human NPM1/ALK Protein

Cat. No. NPM1/ALK-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPM1/ALK was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	Human pathological fusionprotein NPM1 ALK, full length, amino acids M1-P680 (as in NCBI/Protein entry AAA58698.1) with a F1174Lmutation, untagged, expressed in Sf9 insect cells.
Form	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 20% glycerol
Bio-activity	182 pmol/g×min
Molecular Mass	75,661 Da
AA Sequence	GPLALHIVEAEAMN YEGSPIKVTL ATLKMSVQPT VSLGGFEITP PVVLRLKCGS GPVHISGQHL MEDSMD MDMSPLRPQN YLFGCELKAD KDYHFKVDND ENEHQLSLRT VSLGAGAKDEVVYRRKHQEL QAMQMELQSP EYKLSKLRTS TIMTDYNPNY CFAGKTSSIS DLKEVPRKNI TLIRGLGHGA FGEVYEGQVS GMPNDPSPLQ VAVKTLPEVC SEQDELDFLM EALIISKLNHQNIVRCIGVS LQSLPRFILL ELMAGGDLKS FLRETRPRPS QPSSLAMLDL LHVARDIACG CQYLEENHFI HRDIAARNCL LTCPGPGRVA KIGDFGMARD IYRASYYRKG GCAMLPVKWMPPEAFMEGIF TSKTDTWSFG VLLWEIFSLG YMPYPSKSNQ EVLEFVTSGG RMDPPKNCPG PVYRIMTQCW QHQPEDRPNF AIILERIEYC

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

	TQDPDVINTA LPIEYGPLVE EEEKVPVRPKDPEGVPPLLV SQQAKREEER SPAAPPPLPT TSSGKAAKKP TAAEVSVRVP RGPAVEGGHV NMAFSQSNPP SELHRVHGSR NKPTSLWNPT YGSWFTEKPT KKNNPIAKKE PHERGNLGLEGSCTVPPNVA TGRLPGASLL LEPSSLTANM KEVPLFRLRH FPCGNVNYGY QQQGLPLEAA TAPGAGHYED TILKSKNSMN QPGP
Storage	Storage at -80 centigrade. Avoid repeated freeze-thaw cycles!
Concentration	0.151 g/μ(Bradford method using BSA as standard protein)

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_001037738
Protein Refseq	NP_001032827
MIM	164040
UniProt ID	P06748

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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; 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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