



NPM1, 1-294aa, Human, His tag, E.coli

Cat.NO.: TP03188

3th Edition

Synonyms:Nucleophosmin, B23, NPM.

Description: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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl,1mM DTT

Molecular Weight:34.7kDa (314aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMEDSMDMDMSPLRPQNYLFGCELKADKDYHFKVDNDENEHQLSLRTVSLGAGA
KDELHIVEAEAMNYEGSPIKVTLATLKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHISGQHLVAVEEDAEESEDEEE
EDVKLLSISGKRSAPGGGSKVPQKKVKLADEDDDDDEEDDEDDDDDDDFDDEEAEEKAPVKKSIRDTPAKNAQ
KSNQNGKDSKPSSTPRSKGQESFKKQEKTPTKTPKGPSSVEDIKAKMQASIEKGGSLPKVEAKFINVVKNCFRMTDQ
EAIQDLWQWRKSL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.