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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NPM1 (Human) Recombinant Protein (P01)

Catalog Number: H00004869-P01

Regulation Status: For research use only (RUO)

Product Description: Human NPM1 full-length ORF (AAH02398.1, 1 a.a. - 294 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MEDSMDMDMSPLRPQNYLFGCELKADKDYHFKVDND
ENEHQLSLRTVSLGAGAKDELHIVEAEAMNYEGSPIKV
TLATLKMSVQPTVSLGGFEITPPVVLRLKCGSGPVHIS
GQHLVAVEEDAEESEDEEEEDVKLLSISGKRSAPGGGS
KVPQKKVKLAADEDDDDDEEDDDDDDDDFDDEE
AEEKAPVKKSIRDTPAKNAQKSNQNGKDSKPSSTPRS
KGQESFKKQEKTPKTPKGPSSVEDIKAKMQASIEKGG
SLPKVEAKFINYVKNCFRMTDQEIQLDWQWRKSL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 58.08

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4869

Gene Symbol: NPM1

Gene Alias: B23, MGC104254, NPM

Gene Summary: NPM1 is a ubiquitously expressed nucleolar protein that shuttles between the nucleus and cytoplasm. It is implicated in multiple functions, including ribosomal protein assembly and transport, control of centrosome duplication, and regulation of the tumor suppressor ARF (MIM 600160). NPM1 mutations that relocalize NPM1 from the nucleus into the cytoplasm are associated with development of acute myeloid leukemia (AML; MIM 601626) (Garzon et al., 2008 [PubMed 18308931]).[supplied by OMIM]

References:

1. Patient-derived tumor-reactive antibodies as diagnostic markers for ovarian cancer. Taylor DD, Gercel-Taylor C, Parker LP. Gynecol Oncol. 2009 Oct;115(1):112-20. Epub 2009 Jul 31.
2. The role of a single-stranded nucleotide loop in transcriptional regulation of the human SOD2 gene. Xu Y, Fang F, Dhar SK, St Clair WH, Kasarskis EJ, St Clair DK. J Biol Chem. 2007 Jun 1;282(22):15981-94. Epub 2007 Apr 9.