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## Product Data Sheet

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Product Name: NPM2 Human  
 Cat. No.: GP24061  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | E.coli.                 |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Nucleophosmin/nucleoplasmin 2; nucleoplasmin-2.   |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SSGLVPRGSH MGSMNLSSAS STEEKAVTTV LWGCELSQER<br>RTWTFRPQLE GKQSCRLLLH TICLGEKAKE EMHRVEILPP ANQEDKKMQP<br>VTIASLQASV LPMVSMVGVQ LSPPVTFQLR AGSGPVFLSG QERYEASDLT<br>WEEEEEEEGE EEEEEEEEDDE DEDADISLEE QSPVKQVKRL VPQKQASVAK<br>KKKLEKEEEE IRASVRDKSP VKKAKATARA KKPGFKK |                    |                         |
| Formulation         | The NPM2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 20% glycerol.   |                    |                         |

### Introduction

NPM2 is a member of nucleoplasmin family. NPM2 is a core histones chaperone which takes part in chromatin reprogramming, particularly throughout fertilization and early embryonic development. NPM2 also takes part in sperm DNA decondensation during fertilization.

### Stability

Store at 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). Avoid multiple freeze-thaw cycles.

### Background

NPM2 Human Recombinant produced in E. coli is a single polypeptide chain containing 237 amino acids (1-214) and having a molecular mass of 26.6 kDa. NPM2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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