

Recombinant human NPM2 protein

Catalog Number: ATGP1676

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-214aa

UniProt No.

Q86SE8

NCBI Accession No.

NP_877724

Alternative Names

nucleophosmin/ nucleoplasmin 2, NPM-2

PRODUCT SPECIFICATION

Molecular Weight

26.6 kDa (237aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NPM2, also known as nucleophosmin/nucleoplasmin 2, belongs to the nucleoplasmin family. This protein is core histones chaperone involved in chromatin reprogramming, especially during fertilization and early embryonic development. It probably involved in sperm DNA decondensation during fertilization. Recombinant human NPM2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

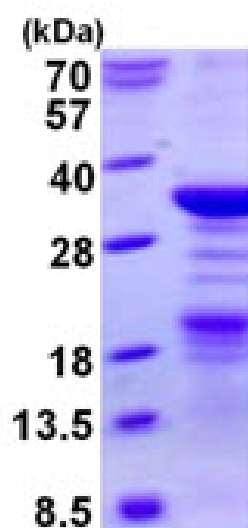
MGSSHHHHHH SSSLVPRGSH MGSMNLSSAS STEEKAVTTV LWGCELSQER RTWTFRPQLE GKQSCRLLH TICLGEKAKE
EMHRVEILPP ANQEDKKMQP VTIASLQASV LPMVSMVG VQ LSPVTFQLR AGSGPVFLSG QERYEASDLT WEEEEEEEGE
EEEEEEEDDE DEDADISLEE QSPVKQVKRL VPQKQASVAK KKKLEKEEEE IRASVRDKSP VKKAKATARA KKPGFKK

General References

Platonova O., et al. (2011) Biochemistry 50:8078-8089

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)