

Recombinant human NMI protein

Catalog Number: ATGP0874

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-307aa

UniProt No.

Q13287

NCBI Accession No.

NP_004679

Alternative Names

N-myc-interactor

PRODUCT SPECIFICATION

Molecular Weight

37.2 kDa (327aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol

Purity

> 90% 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

N-myc-interactor, also known as NMI, is a member of the oncogene Myc family. The Myc family of oncogenes is thought to play an important role in cell proliferation, differentiation, and neoplastic transformation. The NMI protein also interacts with all STATs except STAT2 and augments STAT-mediated transcription in response to cytokines IL2 and IFN-gamma. The NMI mRNA has low expression levels in all human fetal and adult tissues tested except brain and has high expression in cancer cell line-myeloid leukemias. Recombinant human NMI protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MEADKDDTQQ ILKEHSPDEF IKDEQNKGLI DEITKKNIQLK KEIQKLETE LQEATKEFQI
KEDIPETKMK FLSVETPEND SQLSNISCSF QVSSKVPYEI QKGQALITFE KEEVAQNVVS MSKHHVQIKDV NLEVTAKPV
PLNSGVRVQV YVEVSKMKIN VTEIPDTLRE DQMRDKLELS FSKSRNGGGE VDRVDYDRQS GSAVITFVEI
GVADKILKKKEYPLYINQTC HRVTVSPYTE IHLKKYQIFS GTSKRTVLLT GMEGIQMDEE IVEDLINIHF QRAKNGGGEV
DVVKCSLGQP HIAYFEE

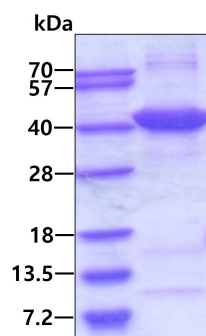
General References

Bao J., et al. (1996) Oncogene. 16(10):217-6.

Bannasch D., et al. (1999) Oncogene. 18:6810-7.

DATA

SDS-PAGE



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