

Recombinant human HMGN3 protein

Catalog Number: ATGP2796

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-77aa

UniProt No.

Q15651

NCBI Accession No.

NP_620058

Alternative Names

High mobility group nucleosomal binding domain 3, PNAS-24, PNAS-25, TRIP7

PRODUCT SPECIFICATION

Molecular Weight

10.8 kDa (100aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH7.0) containing 10% glycerol

Purity

> 95% 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

HMGN3, also known as high mobility group nucleosomal binding domain 3, binds thyroid hormone receptor beta, but only in the presence of thyroid hormone. Thyroid hormone receptors are hormone-dependent transcription factors that regulate expression of a variety of specific target genes. It is thought to reduce the compactness of the chromatin fiber in nucleosomes, thereby enhancing transcription from chromatin templates. Recombinant human HMGN3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

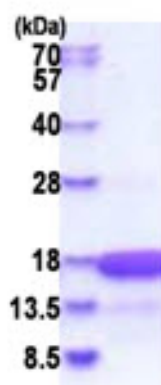
MGSSHHHHHH SGLVPRGSH MGSMPKRKSP ENTEGKDGSK VTKQEPTRRS ARLSAKPAPP KPEPKPRKTS AKKEPGAKIS
RGAKGKKEEK QEAGKEGTEN

General References

Lee JW. et al. (1995) Mol Endocrinol. 9:243-254
West KL. et al. (2001) J Biol Chem. 276:25959-25969.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)