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Recombinant human HMGB3 protein

Catalog Number: ATGP2238

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-180aa

UniProt No.

015347

NCBI Accession No.

NP 005333

Alternative Names

High mobility group protein B3, HMG-2a, HMG-4, HMG2A, HMG4

PRODUCT SPECIFICATION

Molecular Weight

22.8 kDa (203aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM 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

HMGB3 belongs to the high mobility group (HMG) protein superfamily. Like HMG1 (MIM 163905) and HMG2 (MIM 163906), HMGB3 contains DNA-binding HMG box domains and is classified into the HMG box subfamily. Members of the HMG box subfamily are thought to play a fundamental role in DNA replication, nucleosome assembly and transcription. Recombinant human HMGB3 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

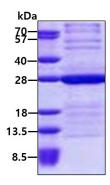
<MGSSHHHHHH SSGLVPRGSH MGS>MAKGDPK KPKGKMSAYA FFVQTCREEH KKKNPEVPVN FAEFSKKCSE
RWKTMSGKEK SKFDEMAKAD KVRYDREMKD YGPAKGGKKK KDPNAPKRPP SGFFLFCSEF RPKIKSTNPG ISIGDVAKKL
GEMWNNLNDS EKQPYITKAA KLKEKYEKDV ADYKSKGKFD GAKGPAKVAR KKV

General References

Nemeth, M.J., et al. (2006) Proc. Natl. Acad. Sci. u.S.A. 103 (37), 13783-13788 Ross, M.T., et al. (2005) Nature 434 (7031), 325-337

DATA

SDS-PAGE



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

