

Recombinant human HMG-1/HMGB1 protein

Catalog Number: HMG0801

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-215aa

UniProt No.

P09429

NCBI Accession No.

NP_002119.1

Alternative Names

Sulfoglucuronyl carbohydrate binding protein, SBP-1, HMGB1, HMG3, HMG1, High-mobility group box1, High-mobility group (nonhistone chromosomal) protein 1, DKFZp686A04236, Amphoterin

PRODUCT SPECIFICATION

Molecular Weight

25 kDa (223aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM EDTA, 0.5mM DTT, 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

High mobility group box1 protein (HMGB1) is a very abundant chromatin-binding protein residing in the eukaryotic cell nucleus and acting in the assembly of nucleoprotein complexes. Inside the cell, HMGB1 binds to DNA and has a role in transcriptional regulation. Outside the cell, HMGB1 acts as a cytokine and has activities

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that resemble those of tumor necrosis factor. Recombinant human HMGB1 was expressed in insect cells and purified by conventional chromatography techniques.

Amino acid Sequence

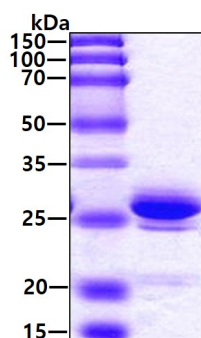
MGKGDPPKPR GKMSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF EDMAKADKAR YEREMKTYIP
PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNNTAADD KQPYEKKAAL LKEYEKDIA
AYRAKGKPKDA AKKGVVKAEL SKKKKEEEED EDEEDEEEEE EDEEDEEEEE DDDDE<LEHHH HHH>

General References

Palumbo R J., et al. (2004) Cell Biol. 164(3):441-9.
Andersson u., et al (2002) Leukoc Biol. 72(6):1084-91.

DATA

SDS-PAGE



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