Recombinant human HMGB2 protein

Catalog Number: ATGP1141

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
1-209aa

UniProt No.
P26583

NCBI Accession No.
NP_002120.1

Alternative Names
High mobility group protein B2, HMG2

PRODUCT SPECIFICATION

Molecular Weight
26.4 kDa (232aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

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 protein B2, also known as HMGB2, is a member of the non-histone chromosomal high-mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-

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acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V (D) J recombination. Recombinant human HMGB2 protein, fused to His-tag at N-terminus, was expressed in Baculovirus and purified by using conventional chromatography techniques.

Amino acid Sequence

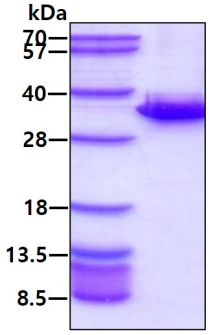
<MGSSHHHHHH SSGLVPRGSH TGS>MGKGDPN KPRGKMSSYA FFVQTCREEH KKKHPDSSVN FAEFSKKCSE RWKTMSAKEK SKFEDMAKSD KARYDREMKN YVPPKGDKKG KKKDPNAPKR PPSAFFLFCS EHRPKIKSEH PGLSIGDTAK KLGEMWSEQS AKDKQPYEQK AAKLKEKYEK DIAAYRAKGK SEAGKKGPGR PTGSKKKNEP EDEEEEEEEE DEDEEEEDED EE

General References

Bustin M., et al. (1990) Biochem Biophys Acta. 1049:231-243.
Shirakawa H., et al. (1992) J Biol Chem. 267:6641-6635.

DATA

SDS-PAGE



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