

Datasheet for ABIN934963
HMGB1 Protein (AA 1-215)



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1 Image

Overview

Quantity:	100 µg
Target:	HMGB1
Protein Characteristics:	AA 1-215
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGKGDPPKPR GKMSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKA AK LKEYEKDIA AYRAKGPDA AKKGVVKA EK SKKKKEEEEE EDEEDEEEEE EDEEDEEEEE DDDDELEHHH HHH
Characteristics:	Purified recombinant Human HMGB1 protein Expression System: Baculovirus Molecular weight on SDS-PAGE will appear higher.
Purity:	> 90 % pure
Endotoxin Level:	< 1.0 EU per µg of protein (determined by LAL method)

Target Details

Target:	HMGB1
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Target Details

Alternative Name: HMGB1 ([HMGB1 Products](#))

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

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

Molecular Weight: 25 kDa (223 AA)

Pathways: [p53 Signaling](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Positive Regulation of Endopeptidase Activity](#), [Regulation of Carbohydrate Metabolic Process](#), [Toll-Like Receptors Cascades](#), [Smooth Muscle Cell Migration](#), [Inflammasome](#)

Application Details

Application Notes: HMGB1 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris pH 8.0, containing 0 mM EDTA, 0.0 mM DTT, and 10 % glycerol.

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

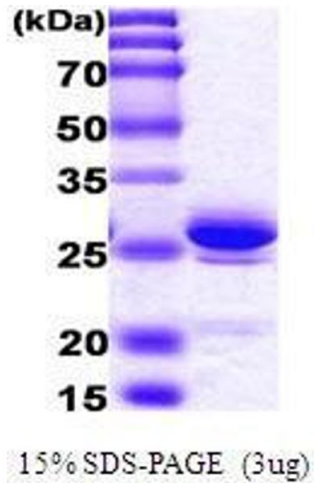
Handling Advice: Avoid repeated freeze/thaw cycles.

Handling

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

Images



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.