antibodies

# Datasheet for ABIN7274822 HMGB1 Protein (AA 1-215) (His tag)

2 Images



#### Overview

Quantity:	100 µg
Target:	HMGB1
Protein Characteristics:	AA 1-215
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGB1 protein is labelled with His tag.

### Product Details

Purpose:	Human HMGB1 Protein
Sequence:	Met1-Glu215
Characteristics:	Recombinant Human HMGB1 Protein is expressed from HEK293 with His tag at the C- Terminus.It contains Met1-Glu215.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per $\mu g$ by the LAL method.

#### Target Details

Target:	HMGB1
Alternative Name:	HMGB1 (HMGB1 Products)

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### Target Details

Background:	High-mobility group box 1 (HMGB1) is a ubiquitous nuclear protein that promotes inflammation
	when released extracellularly after cellular activation, stress, damage or death. HMGB1
	operates as one of the most intriguing molecules in inflammatory disorders via recently
	elucidated signal and molecular transport mechanisms. Treatments based on antagonists
	specifically targeting extracellular HMGB1 have generated encouraging results in a wide
	number of experimental models of infectious and sterile inflammation.
Molecular Weight:	26 kDa. Due to glycosylation, the protein migrates to 30-35 kDa based on Tris-Bis PAGE result.
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

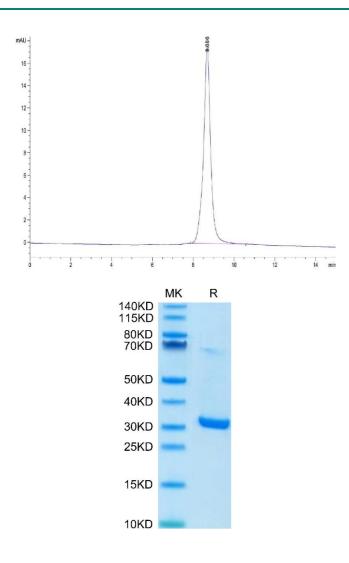
### **Application Details**

Restrictions:
Restrictions.

For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Human HMGB1 is greater than 95 % as determined by SEC-HPLC.

#### SDS-PAGE

**Image 2.** Human HMGB1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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