# **CHAMOT**

重组人高迁移率族蛋白B1 /Recombinant HMGB1, Human, Animal-Free

CM083-5HP

CM083-20HP

CM083-100HP

CM083-500HP

CM083-1000HP





# トスツと

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示



### **Product Datasheet**

## 重组人高迁移率族蛋白B1 / Recombinant HMGB1, Human, Animal-Free

产品编号	CM083-5HP	CM083-20HP	CM083-100HP	CM083-500HP	CM083-1000HP
规格	5 μg	20 μg	100 μg	500 μg	1 mg

### 产品简介

背景描述	High mobility group protein B1 protein (HMGB1) is the high mobility group box family of non-histone chromosomal proteins. Human HMGB1 is expressed as a 25 kDa single chain polypeptide containing three domains: two N-terminal HMG boxes A and B, and a negatively charged 30 aa C-terminal region that contains only Asp and Glu. Post-translational modification on HMGB1 have been reported, affect its localization, receptor interactions, and function. HMGB1, with a disulfide bond between C23 and C45, that cause cytokine production and the activation of NF-κB. Otherwise, the fully oxidized form has no immune function, losing its proinflammatory effect and the apoptotic cell death activation function.		
别称	high mobility group box 1, HMG-1, HMG1, HMG3, SBP-1		
蛋白编码	P09429		
分子量	The protein has a calculated MW of 25.70 kDa. The protein migrates as 25-35 kDa under reducing condition (SDS-PAGE analysis).		
表达系统	Escherichia coli		
纯度	>98% as determined by SDS-PAGE.		
生物活性	Measure by its ability to induce TNF alpha in RAW264.7 cells. The ED $_{50}$ for this effect is <10 $\mu g/mL$ .		
内毒素检测	$<$ 0.1 EU per 1 $\mu g$ of the protein by the LAL method.		
蛋白序列	MGKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGKFED MAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGLSIGDVA KKLGEMWNNTAADDKQPYEKKAAKLKEKYEKDIAAYRAKGKPDAAKKGVVKAEKSKKKKEEE EDEEDEEDEEDEDEEEDDDDE with polyhistidine tag at the C-terminus.		
产品形式	The protein was lyophilized from a 0.2 $\mu m$ filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.		

### 产品使用

**1.** Before opening, centrifuge at 3000 rpm for 5 mins.

### 2.Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H<sub>2</sub>O to a concentration of 100-200 μg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

• Store at 2°C to 8°C for up to 1 week.

### 3.Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than  $10~\mu g/ml$ .
- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

### 产品储存/运输

储存

**Lyophilized Protein:** Store at -20°C for 1 year.

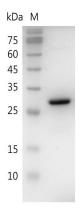
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or

stabilizer.

**运输** Blue Ice

### 实验数据展示



SDS-PAGE analysis of recombinant human HMGB1

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491