

## Recombinant Human MMP-9 Protein, His-Avi Tag

### 产品信息

产品名称	产品编号	规格
Recombinant Human MMP-9 Protein, His-Avi Tag	93754ES25	25 µg
	93754ES60	100 µg
	93754ES76	500 µg

### 产品描述

基质金属蛋白酶是一个锌和钙依赖性内肽酶家族，具有降解细胞外基质所有成分的综合能力。MMP-9（明胶酶 B）可以降解多种底物，包括明胶、IV 型和 V 型胶原、弹性蛋白和蛋白多糖核心蛋白。当纤维胶原降解其变性明胶形式时，它与间质胶原酶（MMP-1）协同作用，降解纤维胶原。MMP-9 由角质形成细胞、单核细胞、巨噬细胞和 PMN 白细胞产生。MMP-9 存在于大多数炎症反应病例中。

### 产品性质

别名 (Synonyms)	MMP-9; GELB; CLG4B; MANDP2; Gelatinase B
Uniprot No.	P14780
表达系统 (Source)	HEK293 Cells
表达序列 (Sequence)	Ala20-Asp707
标签 (Tag)	C-His-Avi
分子量(Molecular Weight)	The protein has a predicted MW of 79.3 kDa. Due to glycosylation, the protein migrates to 85-100 kDa based on Tris-Bis PAGE result.
外观(Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE and HPLC
活性 (Activity)	<b>ELISA Data:</b> Immobilized Human MMP-9, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-MMP-9 Antibody, hFc Tag with the EC <sub>50</sub> of 17.4ng/ml determined by ELISA.
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.

### 运输与保存方法

-25~-15°C保存，收到货之后有效期 1 年。复溶后，-85~-65°C保存，3 个月有效期。

### 复溶方法

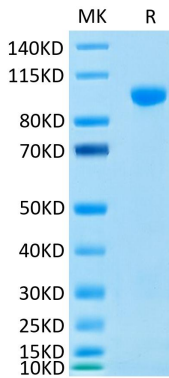
开盖之前，先离心。使用蒸馏水复溶冻干的蛋白质，复溶浓度超过 100 µg/mL。建议首次使用时将蛋白分装为每次实验用量，避免反复冻融。

## 注意事项

1. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
2. 本产品仅作科研用途。

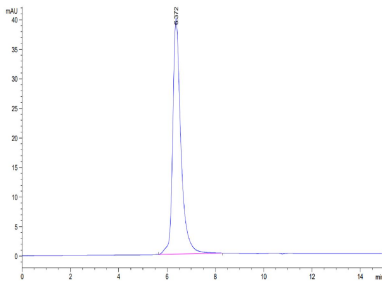
## 产品数据

### Tris-Bis PAGE



Human MMP-9 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

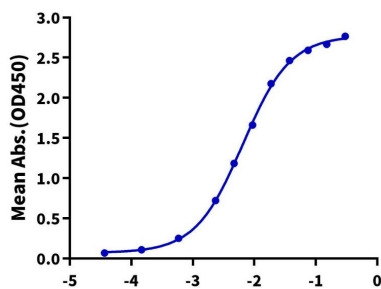
### SEC-HPLC



The purity of Human MMP-9 is greater than 95% as determined by SEC-HPLC.

### ELISA Data

**Human MMP-9, His Tag ELISA**  
0.1 $\mu$ g Human MMP-9, His Tag Per Well



Immobilized Human MMP-9, His Tag at 1  $\mu$ g/ml (100  $\mu$ l/Well) on the plate. Dose response curve for Anti-MMP-9 Antibody, hFc Tag with the EC50 of 6.5ng/ml determined by ELISA.