

# CHAMOT

重组人肝细胞生长因子 /Recombinant HGF,  
Human, HEK293, Animal-Free

CM192-5HP

CM192-20HP

CM192-100HP

CM192-500HP

CM192-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组人肝细胞生长因子 /Recombinant HGF, Human, HEK293, Animal-Free

产品编号	CM192-5HP	CM192-20HP	CM192-100HP	CM192-500HP	CM192-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Hepatocyte Growth Factor (HGF) activates c-Met receptor's tyrosine kinase cascade, influencing cell growth and motility. Originating from mesenchymal cells, HGF is a multifunctional cytokine that plays a central role in angiogenesis, tumorigenesis, and tissue regeneration. Initially secreted as an inactive polypeptide, HGF undergoes cleavage to become an active heterodimeric molecule. The gene exhibits alternative splicing, resulting in diverse isoforms.

#### 别称

Hepatocyte growth factor, Hepatopoietin-A, Scatter factor (SF), HPTA

#### 蛋白编码

P14210

#### 分子量

The protein has a calculated MW of 80.48 kDa. The protein migrates as 75-100 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

HEK293 cell

#### 纯度

The purity of Human HGF Protein is greater than 90% as determined by SDS-PAGE analysis and greater than 95% by RP-HPLC.

#### 生物活性

Measured by its ability to bind mouse c-Met in functional ELISA. Immobilized Recombinant mouse c-Met Protein at 2 µg/mL (100 µL/well) can bind Recombinant Human HGF Protein.

#### 内毒素检测

<1 EU per 1 µg of the protein by the LAL method.

#### 蛋白序列

A DNA sequence encoding Human HGF Protein (#P14210)(Gln32-Ser728) was expressed with polyhistidine tag at the C-terminus.

#### 产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

#### 产品应用

Cell Culture

## 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 µg/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

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

### 储存

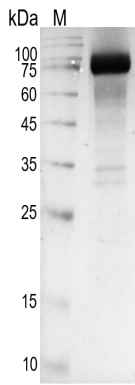
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

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

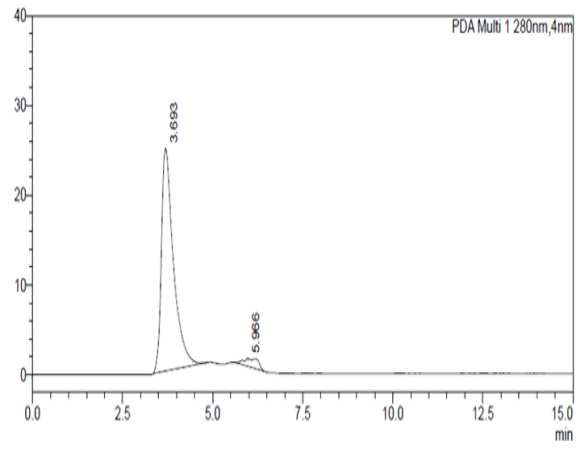
### 运输

Blue Ice

## 实验数据展示



<Chromatogram>  
mAU



SDS-PAGE analysis of recombinant human HGF

HPLC analysis of recombinant human HGF. The purity of human HGF Protein is greater than 95% as determined by RP-HPLC.

For Research Use or Further Manufacturing Only

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