

# CHAMOT

## Recombinant IGFBP7, Human, AF, HEK293

CM183-5HP

CM183-20HP

CM183-100HP

CM183-500HP

CM183-1000HP



CHAMOT

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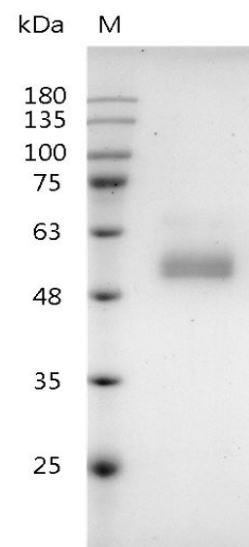
## Recombinant Human IGFBP7(IGF-binding protein 7), His-SUMO tag, HEK293

编号:	CM183-5HP CM183-20HP CM183-100HP CM183-500HP CM183-1000HP	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

### 产品简介

**描述:** IGFBP7, also known as mac25, prostacyclin-stimulating factor (PSF), tumor adhesion factor (TAF), and angiomodulin (AGM), is a secreted protein that belongs to the insulin-like growth factor (IGF)-binding protein (IGFBP) family. In contrast to the other family members, IGFBP7 binds IGFs through the N-terminal domain with low affinity. IGFBP7 is expressed in various human tissues, including the brain, liver, pancreas, and skeletal muscle, and is secreted into circulation. IGF-BP7 modulates many biological functions, such as protein synthesis, proliferation, anti-apoptosis, and cell survival. Moreover, it has been reported that IGFBP7 promotes cardiac senescence through IGF-1R/IRS/AKT-dependent suppression of FOXO3a, inhibiting DNA repair, subsequently the leading to the progression of Heart failure. Human and mouse IGFBP7 are highly homologous, sharing 94% a. a. sequence identity.

**来源:** HEK293  
**纯度:** >95% as determined by SDS-PAGE.  
Ni- NTA chromatography  
**生物学活性:** Testing in process



SDS-PAGE analysis of recombinant human IGFBP7

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  
IGFBP7(#Q16270)(Ser27 – Leu282) was  
expressed with polyhistidine-SUMO  
tag at the N-terminus

## 产品组成

成分: 从含有 1X PBS, pH 7.4 溶液中冻干的  
蛋白质.

## 产品储存/运输

产品形式	储存温度	储存时间
冻干粉	-20°C至-80°C	自收到之日起1年
重悬液 (初始)	2°C至8°C	不超过1周
重悬液 (经稀释)	-20°C至-80°C	3到6个月

运输方式: 蓝冰

## 产品使用

- 1、开盖前, 建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉, 溶液浓度不低于200µg/mL, 不高于1mg/mL, 并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液, 2 -8°C无菌保存不超过1周。
- 4、如需长期保存, 推荐使用无菌的含载体蛋白 (如0.1% BSA、10% FBS 或5% HSA ) 的溶液进一步稀释后分装保存, -20°C至 -80°C无菌保存3到6个月。无血清实验需求时, 可更换为 5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry  
;FACS= Fluorescence activated Cell Sorting; FA= Functional Assay