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

编号: PY2201

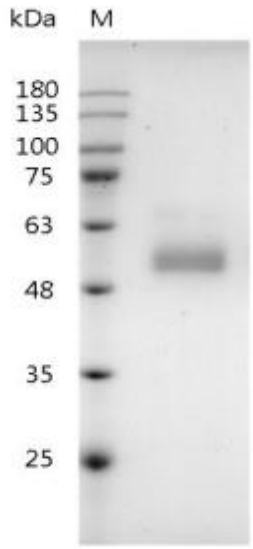
规格: 5 μg
20 μg
100 μg
500 μg
1 mg

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. IGFBP7 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.



SDS-PAGE analysis of recombinant human IGFBP7

来源: *HEK293*

纯度: >95% as determined by SDS-PAGE.
Ni- NTA chromatography

生物学活性: Testing in process

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℃至-80℃	自收到之日起1年
重悬液（初始）	2℃至8℃	不超过1周
重悬液（经稀释）	-20℃至-80℃	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℃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℃至 -80℃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