Recombinant Human CXCL4 (C-X-C motif chemokine4)

编号: PY2142

规格: 5 μg
20 μg
100 μg
500 μg
1 mg

类别: 重组蛋白

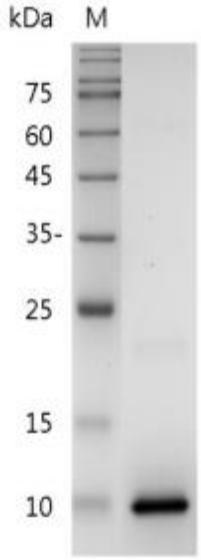
应用: Functional Assay

产品简介

描述: CXCL4, also known as platelet factor 4 (PF-4), is one of the most plentiful platelet chemokines. Depending on the cell type, CSCL4 may has several biological functions. CXCL4 is mainly produced in megakaryocytes, released from the α-granules of platelets as a tetramer at micromolar concentrations depending on platelet activation. CXCL4 has both procoagulant and anticoagulant activities, thereby can bind heparin and neutralize the anticoagulant effect of heparin. In addition, CXCL4 also have functions such as inhibiting factor XII, and vitamin K dependent coagulation factor, and stimulating activated protein C generation. As a strong tumor inhibitor, CXCL4 can inhibit endothelial cell migration, proliferation, and in vivo angiogenesis through interfering with the angiogenic effect of growth factors such as FGF and VEGF.

来源: *Escherichia coli*

纯度: >98% as determined by SDS-PAGE. Ni- NTA chromatography.



SDS- PAGE analysis of recombinant human CXCL4

生物学活性：　Measure by its ability to inhibit human FGF-2 - induce proliferation in HUVEC cells. The ED_{50} for this effect is < 5 μg/mL.

内毒素检测：　< 0.1 EU per 1 μg of the protein by the LAL method.

蛋白序列：　EAEEDGDLQCLCVKTTSQVRPRHITSL EVIKAGPHCPTAQLIATLKNGRKICLDL QAPLYKKIIKKLLES with polyhistidine 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

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100μg/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（ 不低于10ug/mL ）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