

Recombinant Human IL-1 beta (Interleukin-1 beta)

编号: PY2205

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: Interleukin 1 beta (IL-1 β) also known as leukocytic pyrogen, leukocytic endogenous mediator, mononuclear cell factor, lymphocyte activating factor and other names, is a cytokine protein that in humans is encoded by the IL1B gene. There are two genes for interleukin -1 (IL-1): IL-1 alpha and IL-1 beta (this gene). IL-1 β precursor is cleaved by cytosolic caspase 1 (interleukin 1 beta convertase) to form mature IL-1 β .

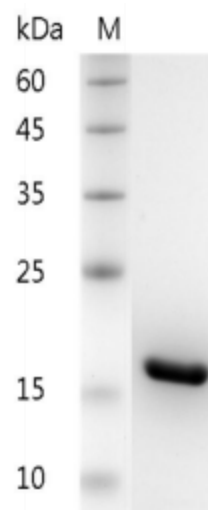
来源: *Escherichia coli*

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

生物学活性: Measure by its ability to induce IL-8 secretion in HT29 cells. The ED₅₀ for this effect is <2.0 ng/mL. The specific activity of recombinant human IL-1 beta is approximately >3 x 10⁷ IU/mg.

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

蛋白序列: MASAPVRS LNCTLRDSQQKSLVMSG
PYELKALHLQGQDMEQQVVFMSFV
QGEESNDKIPVALGLKEKNLYLSCVLK



SDS-PAGE analysis of recombinant human IL-1 beta

DDKPTLQLESVDPKNYPKKKMEKRFV
FNKIEINNKLFEESAQFPNWIYSTSQA
ENMPVFLGGTKGGQDITDFTMQFVS
S with polyhistidine tag at the C-terminus

产品组成

成分：从含有 1X PBS, pH 8.0 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°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（不低于10ug/mL）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