

Recombinant Human beta- NGF (Nerve growth factor-beta)

编号: PY2107

规格: 20 µg
100 µg
500 µg
1 mg

类别: 重组蛋白

应用: Functional Assay

产品简介

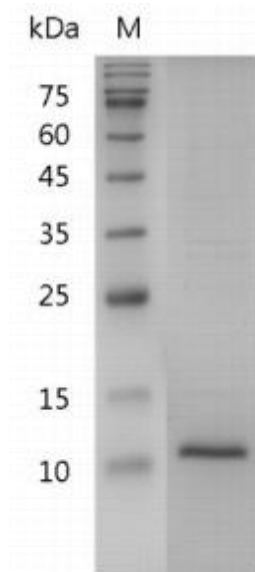
描述: Nerve growth factor (NGF) is a neurotrophic factor and neuropeptide primarily involved in the regulation of growth, maintenance, proliferation, and survival of certain target neurons . NGF-β acts through its receptor β-NGFR and is involved in the development and maintenance of the sensory and sympathetic nervous systems. NGF-β also is also involved in the growth, differentiation, and survival of B lymphocytes. Human, mouse and rat proteins show cross-reactivity.

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 TF-1 cells proliferation. The ED_{50} for this effect is <0.7 ng/mL. The specific activity of recombinant human beta-NGF is > 1 x 10⁶ IU/mg.

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

蛋白序列: MSSSHPIFHRGEFSVCDSSVWVGDK
TTATDIKGKEVMVLGEVNINNSVFKQ
YFFETKCRDPNPVDSGCRGIDSKHW
NSYCTTTHTFVKALTM DGKQAAWRFI
RIDTACVCVLSRKAVRRA with
polyhistidine tag at the C-terminus



SDS- PAGE analysis of recombinant human beta- NGF

产品组成

成分：从含有 20 mM sodium citrate , 0.2 M NaCl, pH 3.5 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