

FGF-3/HBGF-3/INT2, Human, Recombinant

货号：PCK293

产品信息

别名 HBGF-3, INT2

物种 Human

表达宿主 E.coli

序列信息 MDAGGRGGVYEHLGGAPRRRKLKCATKYHLQLHPSGRVNGSLENSAYSIL
EITAVEVGIVAIRGLFSGRYLAMNKRGRLYASEHYSACEFVERIHELGYNT
YASRLYRTVSSTPGARRQPSAERLWYVSVNGKGRPRRGFKTRRTQKSSLFL
PRVLDHRDHEMVRQLQSGLPKPPGKGVQPRRRR with polyhistidine tag at the
C-terminus.

检索号 P11487.1

分子量 21.99 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is
<78 ng/mL.

产品特性

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

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

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution,
store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier
protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution),
protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH
7.4.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Fibroblast Growth Factor 3 (FGF-3) belongs to the large FGF family which has at least 23 members (1, 2). All FGF family members are heparin-binding growth factors with a core 120 amino acid (aa) FGF domain that allows for a common tertiary structure. Studies have suggested that FGF-3 and FGF-8 function synergistically in otic placode induction and during neuronal development to regulate dorsoventral axis formation. During development, the activities of FGF-3 and FGF-8 are regulated negatively by the sprouty family proteins and by Sef (similar expression t).

SDS-PAGE

