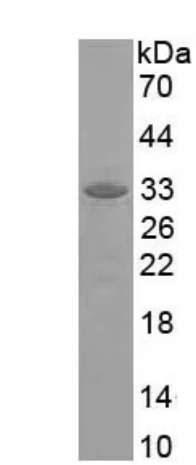
Active Fibroblast Growth Factor 3 (FGF3)

Catalog#:PEH12864

概述（Summary）

别称（Alternative Names）	HBGF3; INT2; Heparin-binding growth factor 3; Murine Mammary Tumor Virus Integration Site(v-int-2)Oncogene Homolog; INT-2 Proto-Oncogene Protein; Proto-oncogene Int-2
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Ala18-His239】
Accession #	P11487
表达宿主（Host）	E.coli
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	28.7 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Plays an important role in the regulation of embryonic development, cell proliferation, and cell differentiation. Required for normal ear development.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

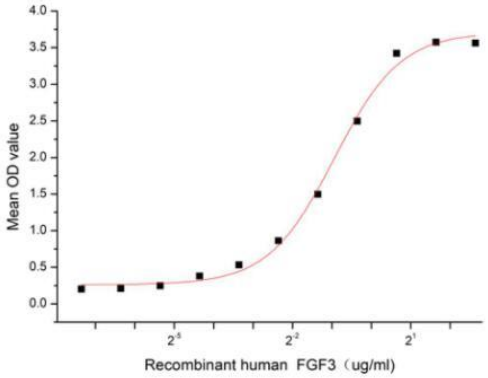


Figure 1. The binding activity of recombinant human FGF3 and recombinant human FGFR4

Fibroblast Growth Factor 3 (FGF3) also known as INT-2 proto-oncogene protein is a member of the fibroblast growth factor family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. Besides, Fibroblast Growth Factor Receptor 4 (FGFR4) has been identified as an interactor of FGF3, thus a binding ELISA assay was conducted to detect the interaction of recombinant human FGF3 and recombinant human FGFR4. Briefly, biotin-linked FGF3 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 ul were then transferred to FGFR4-coated microtiter wells and incubated for 1h at 37℃. Wells were washed with PBST 3 times and incubation with Streptavidin-HRP for 30min, then wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50 µl stop solution to the wells and read at 450 nm immediately. The binding activity of recombinant human FGF3 and recombinant human FGFR4 was shown in Figure 1, the EC50 for this effect is 0.52 ug/mL.

注意事项（Note）

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