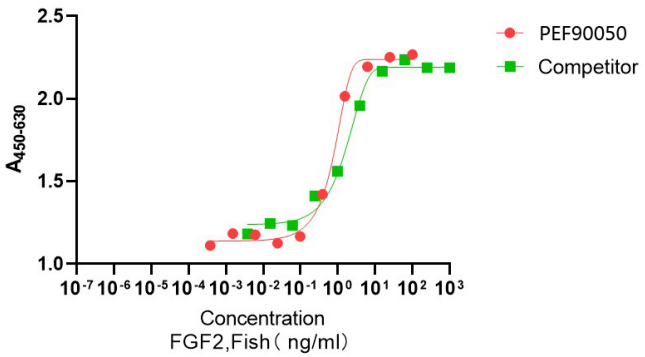
产品名称：GMP Recombinant Fish bFGF/FGF-2
产品货号：PEF90050

概述（Summary）

英文全称	bFGF/FGF-2
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE
内毒素（Endotoxin level）	≤200 EU/mg
蛋白构建（Construction）	Recombinant Fish bFGF/FGF-2 is produced by our E coli expression system and the target gene encoding Met1-Cys155 is expressed.
Accession #	XP_030252529.1
蛋白标签（Tag）	Tag free
表达宿主（Host）	E coli
种属（Species）	Fish
预测分子量（Predicted MW）	17.1 kDa
蛋白形态（Form）	Lyophilized
储存缓冲液（Buffer）	0.085% TFA, 30% ACN,5% mannitol
运输方式（Shipping）	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	36 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）	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

活性验证图（Bioactivity image）



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The ED50 for this effect is ≤2.0 ng/mL.

背景（Background）

分子别名（Alternative Names）	Fibroblast Growth Factor 2; FGF-2; Basic Fibroblast Growth Factor; bFGF; Heparin-Binding Growth Factor 2; HBGF-2; FGF2; FGFB
背景介绍（References）	FGF basic is one of 22 mitogenic proteins of the FGF family, which show 35-60% amino acid conservation. Unlike other FGFs, FGF acidic and basic lack signal peptides and are secreted by an alternate pathway. The 17 kDa mouse sequence has 98% aa identity with rat, and 95% identity with human, bovine, and sheep FGF basic. Binding of FGF to heparin or cell surface HSPG is necessary for binding, dimerization and activation of tyrosine kinase FGF receptors. FGF basic binds other proteins, polysaccharides and lipids with lower affinity. Expression of FGF basic is nearly ubiquitous but disruption of the mouse FGF basic gene gives a relatively mild phenotype, suggesting compensation by other FGF family members. FGF basic modulates such normal processes as angiogenesis, wound healing and tissue repair, embryonic development and differentiation, neuronal function and neural degeneration. Transgenic overexpression of FGF basic results in excessive proliferation and angiogenesis is reminiscent of a variety of pathological conditions.

注意事项（Note）

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