# Active Fibroblast Growth Factor 6 (FGF6)

*Catalog#:PXH12042*

## 概述（Summary）

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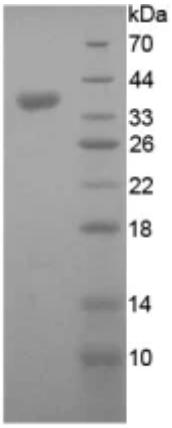
| **别称（Alternative Names）** | HBGF6; HST2; HST2 Oncogene; Heparin Secretory-Transforming Protein 2; Heparin-Binding Growth Factor 6 |
| **纯度（Purity）** | Greater than 90% as determined by reducing SDS-PAGE. |
| **内毒素（Endotoxin level）** | Please contact with the lab for this information |
| **蛋白构建（Construction）** | 【Gly41-Ile208】 |
| **Accession #** | P10767 |
| **表达宿主（Host）** | - |
| **种属（Species）** | Homo sapiens (Human) |
| **预测分子量（Predicted MW）** | 48.4 kDa |
| **制剂（Form）** | Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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 cell proliferation, cell differentiation, angiogenesis and myogenesis, and is required for normal muscle regeneration. |

## 电泳图（SDS-PAGE image）




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

## 活性图（Bioactivity image）

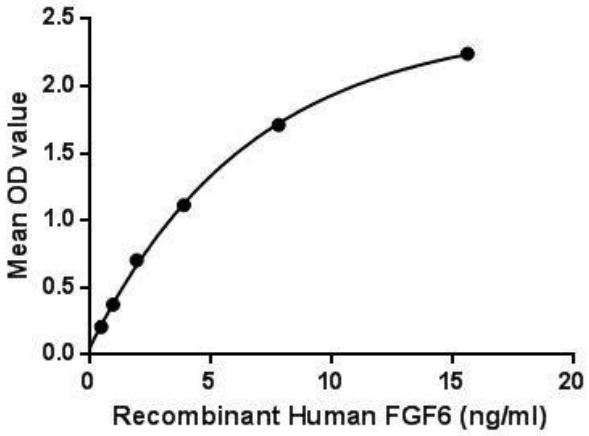



Figure. The binding activity of FGF6 with FGFR1. Fibroblast growth factor 6 (FGF6) is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. It may also play a importent role in muscle regeneration or differentiation. Besides, Fibroblast Growth Factor Receptor 1 (FGFR1) has been identified as an interactor of FGF6, thus a binding ELISA assay was conducted to detect the interaction of recombinant human FGF6 and recombinant human FGFR1. Briefly, FGF6 were diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to FGFR1-coated microtiter wells and incubated for 2h at 37℃. Wells were washed with PBST and incubated for 1h with anti-FGF6 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50μL stop solution to the wells and read at 450nm immediately. The binding activity of FGF6 and FGFR1 was shown in Figure 1, and this effect was in a dose dependent manner.

## 注意事项（Note）

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