

## Human fibroblast growth factor 1 (FGF acidic/FGF1)

**Cat.#** PT-CF-hFGF1-001 50 ug

**Description:** Recombinant fibroblast growth factor 1 is involved in many different biological processes including development, tissue repair, and angiogenesis. FGF1 interacts with FGF receptors to induce signaling.

**Sequence:** MGFNLPPGNYKKPKLLYCS  
NGGHFLRILPDGTVDGTRDRSDQHIQL  
QLSAESVGEVYIKSTETGQYLAMDTDG  
LLYGSQTPNEECLFLERLEENHYNTYIS  
KKHAEKNWFVGLKKNNGSCKRGPRTY  
GQKAILFLPLPVSSD

**MW:** 16 kDa

**Quality control:** Verified by disulfide mapping and Mass Spectrometry analyses.

**Storage conditions:** – 20 C. Avoid repeated freeze-thaw cycles.

**Purity:** >95% by SDS-PAGE gel

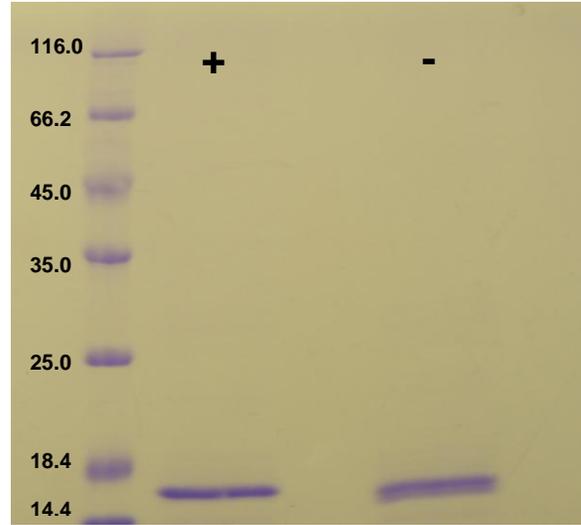
**Concentration:** 0.2 mg/mL

**Formulation:** 1 M ammonium formate buffer at pH 6.0, sterile filtered through a 0.2 micron filter

**Source:** E. Coli

### Reference:

1. Nabel, Elizabeth G., et al.  
"Recombinant fibroblast growth factor-1 promotes intimal hyperplasia and angiogenesis in arteries in vivo." *Nature* 362.6423 (1993): 844-846.



**Figure 1. FGF1 SDS PAGE gel**

Lane 1. Marker

Lane 2. FGF1 reduced

Lane 3. FGF1 non-reduced

**Application:** Optimal concentration for the desired application should be determined by the user.

**Usage:** FOR LABORATORY RESEARCH USE ONLY.