



Human Fibroblast Growth Factor 1 (FGF-1/ acidic FGF)

03-003 50 μg, # 03-003-5 5 x 50 μg

FGF-1 (acidic FGF) is a member of the fibroblast growth factor (FGF) family, which binds heparin. 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 (ref.).

Applications

- 1. Use as a supplement in serum-free or reduced serum media for culture of mammalian cells
- 2. Studies of the human FGF-1 receptor, transmembrane signaling and protein phosphorylation
- 3. Western blotting control for anti-EGF-1 antibodies
- 4. Widely used in cosmetics, such as whitening, anti-wrinkle, anti-aging, etc.

Specification

Tel: 408-638-7415

Product: Full length recombinant mature FGF-1 (15.8 kDa, 140 amino acids) expressed in E. coli.

Activity: The ED50 as determined by a cell proliferation assay using MTS assay kit (Cell Titer 96,

Promega) with Balb/c 3T3 cells was < 10 pg/ml, corresponding to a specific activity of $< 1 \text{ x } 10^8 \text{ units/mg}$.

Purity: >98% as determined by SDS-PAGE (CBB staining)

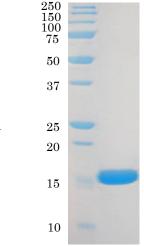
Form: 2.0 mg/ml in PBS (10mM Na-phosphate, 150mM NaCl) pH7.2, 50% glycerol, filter-sterilized

Storage: -20°C or for long-term storage, -70°C

Data Link: Gene ID: 2246, Gene Sequence: BC032697,

Amino Acid Sequence: AAH32697

Reference Zakrzewska M *et al* (2008) " FGF-1: from biology through engineering to potential medical applications." Review *Crit Rev Clin Lab Sci* 45: 91-135PMID: 18293181



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FGF-1

Fig.1 SDS-PAGE of human FGF-1