

**RMCH099**

Recombinant FGF-10 (Fibroblast growth factor-10), Human, AF



5ug;20ug;100ug;500ug;

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### **Synonym/Alternative name(s):**

FGFA, Keratinocyte Growth Factor-2

### **Activity:**

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is <8 ng/mL.

The specific activity of recombinant human FGF-10 is > 1.2 x 10<sup>5</sup> IU/mg.

### **Protein Description:**

Fibroblast growth factor 10 is a protein that in humans is encoded by the FGF10 gene. FGF-10 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. FGF-10 is most related to KGF/FGF-7 and is expressed during the development and preferentially in adult lungs.

**Protein Accession :** O15520.1

**Gene ID :** 2255

### **Expression Sequence:**

MLGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSTKYFLKIEKNGKVSQTKKENCPSILEITSVEIGVVAVKAINSN  
YYLAMNKKGLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS with  
polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus

**Species :** Human

**Reactivity :** Human

**Expression Host :** Escherichia coli

**Source :** E. coli

### **Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

### **Endotoxin level:**

<0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 20.06 kDa

### **Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

### **Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice

### **Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

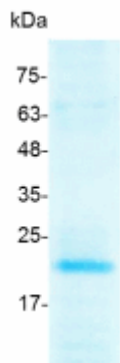
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant human FGF-10