

# Recombinant Mouse FGF-10 Protein

Catalog No.: RP01848 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	14165	O35565

**Tags**  
NO-Tag

**Synonyms**  
Fibroblast growth factor 10; FGF-10;  
Keratinocyte growth factor 2;Fgf10

## Product Information

Source	Purification
<i>E. coli</i>	

**Endotoxin**  
<1EU/μg of the protein by LAL method.

**Formulation**  
Lyophilized from a 0.22 μm filtered solution of 20mMPB,800mMNaCl□pH7.4

**Reconstitution**  
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Fibroblast Growth Factor 10 (FGF 10) is an evolutionary conserved secreted growth factor mediating mostly mesenchymal to epithelial signaling. FGF 10 belongs to the FGF 7 subfamily and shares similar biochemical and amino acid sequences with its constituent members (FGF3, FGF 7 and FGF 22). As a paracrine FGF, FGF 10 elicits its biological responses by activating the fibroblast growth factor receptor 2b (FGF R 2b), is crucial for governing proximal distal outgrowth as well as patterning and acts upstream of the known apical ectodermal ridge (AER) marker FGF 8. FGF10 is also implicated in pancreatic cancer, and that overexpression of FGFR2b is associated with metastatic invasion.

## Basic Information

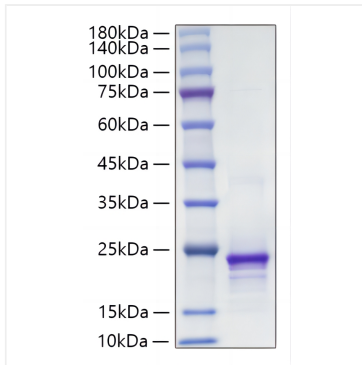
**Description**  
Recombinant Mouse FGF-10 Protein is produced by E. coli expression system. The target protein is expressed with sequence (Gln37-Thr209) of Mouse FGF-10 (Accession #NP\_032028.1) fused with no tag.

### Bio-Activity

**Storage**  
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Mouse FGF-10 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-25 kDa.