

Recombinant Human FGF-10 Protein

Catalog No.: RP01140 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2255	O15520

Tags

No tag

Synonyms

FGF10;FGF-10;fgf10;fgf-10

Product Information

Source	Purification
<i>E. coli</i>	> 98 % by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS 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 freeze-thaw cycles.

Background

This protein 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. This protein exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of limb bud formation. This gene is also implicated to be a primary factor in the process of wound healing.

Basic Information

Description

Recombinant Human FGF-10 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Gln38-Ser208) of human FGF10 (Accession #NP_004456.1).

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. 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.

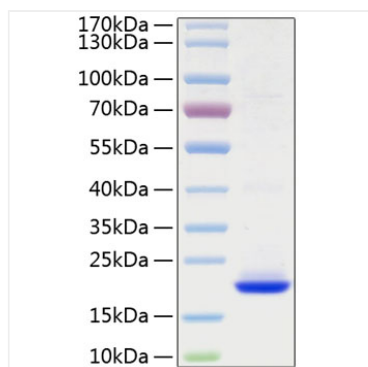
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Validation Data



Recombinant Human FGF-10 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 19.6 kDa.