

## Recombinant Human FGF10 protein, His/S-tagged

Cat. No. FGF10-195H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human FGF10 fused with His/S tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**Description**

The protein encoded by this gene 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.

**Form** Lyophilized from sterile PBS, pH 7.4

**Purity** > 95 % as determined by SDS-PAGE

**Storage** Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

### GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Gene Name</b>	FGF10 fibroblast growth factor 10 [ Homo sapiens ]
<b>Official Symbol</b>	FGF10
<b>Synonyms</b>	FGF10; fibroblast growth factor 10; FGF-10; keratinocyte growth factor 2; produced by fibroblasts of urinary bladder lamina propria;
<b>Gene ID</b>	2255
<b>mRNA Refseq</b>	NM_004465
<b>Protein Refseq</b>	NP_004456
<b>MIM</b>	602115
<b>UniProt ID</b>	O15520
<b>Chromosome Location</b>	5p13-p12
<b>Pathway</b>	Developmental Biology, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1b ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem; FGFR2b ligand binding and activation, organism-specific biosystem;
<b>Function</b>	chemoattractant activity; fibroblast growth factor receptor binding; growth factor activity; heparin binding; type 2 fibroblast growth factor receptor binding;

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