

## Active Recombinant Human FGF10 Protein

Cat. No. FGF10-024H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The mature recombinant human FGF-10 protein consists of 172 amino acids (37-208) without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	37-208 a.a.
<b>Description</b>	<p>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.</p>
<b>Bio-activity</b>	Measured in a cell proliferation assay using 4MBr5 rhesus monkey epithelial cells. The ED50 for this effect is 20-100 ng/mL.
<b>Molecular Mass</b>	19.3 kDa

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<b>Product-Related Proteins</b>	37-208
<b>Endotoxin</b>	< 0.1 EU/μg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	At -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	PBS

## GENE INFORMATION

<b>Gene Name</b>	FGF10 fibroblast growth factor 10 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FGF10
<b>Synonyms</b>	FGF10; fibroblast growth factor 10; 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

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