

Recombinant Human FGF10 protein, His-tagged

Cat. No. FGF10-452H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF10 (O15520) aa. (Gln38~Ser208) fused with His tag was produced in HEK293F cells.
Species	Human
Source	HEK293
ProteinLength	Gln38~Ser208
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.9kDa; Accurate Molecular Mass: 57kDa as determined by SDS-PAGE reducing conditions.

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Characteristic	Isoelectric point is 9.9.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	FGF10 fibroblast growth factor 10 [Homo sapiens (human)]
Official Symbol	FGF10

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Synonyms	FGF10; fibroblast growth factor 10; keratinocyte growth factor 2; produced by fibroblasts of urinary bladder lamina propria
Gene ID	2255
mRNA Refseq	NM_004465.1
Protein Refseq	NP_004456.1
UniProt ID	O15520
SDS-PAGE	