

Active Recombinant Human FGF4 Protein

Cat. No. FGF4-520H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF4 Protein 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 gene was identified by its oncogenic transforming activity. This gene and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-amplification of both genes was found in various kinds of human tumors. Studies on the mouse homolog suggested a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway.
Form	20 mM PBS, pH7.4, 5%Trehalose
Bio-activity	The biological activity was determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing KGF receptors yielding an ED50 <0.5ng/ml.
Molecular Mass	19.8 kDa
Endotoxin	Less than 1EU/mg of rHuFGF-4 as determined by LAL method.

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Purity	>95% as determined by SDS-PAGE
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into sterile distilled water or working aliquots with 20% glycerol or 0.1% BSA and store at -20 centigrade to -70 centigrade. Avoid repeated freeze/thaw cycles.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 20% glycerol or 0.1% BSA to a concentration of 0.1-1.0mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20 centigrade to -70 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

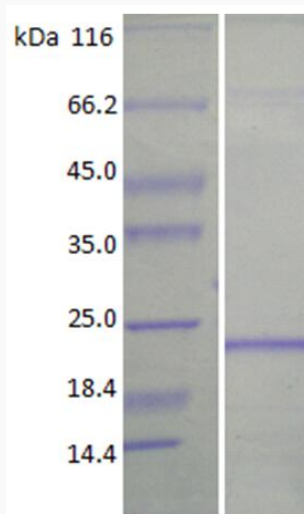
Gene Name	FGF4 fibroblast growth factor 4 [Homo sapiens (human)]
Official Symbol	FGF4
Synonyms	HST; KFGF; FGF-4; HST-1; HSTF1; K-FGF; HBGF-4; HSTF-1
Gene ID	2249
mRNA Refseq	NM_002007.4
Protein Refseq	NP_001998.1
MIM	164980
UniProt ID	P08620

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SDS-PAGE



15% SDS-PAGE analysis of purified FGF4.

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