

Recombinant Human fibroblast growth factor 4 Protein, His tagged

Cat. No. FGF4-263H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant human FGF-4 protein (P08620-1) (Ser 54-Leu 206) with a His tag at the C-terminus was expressed in E. coli.

Species

Human

Source

E.coli

ProteinLength

54-206aa

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.

Tag

C-His

Molecular Mass


18.5 kDa

Endotoxin

Less than 1.0 EU/μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 µg/mL in sterile water.

GENE INFORMATION

Gene Name	FGF4 fibroblast growth factor 4 [Homo sapiens (human)]
Official Symbol	FGF4
Synonyms	FGF4; fibroblast growth factor 4; heparin secretory transforming protein 1, HSTF1; HBGF 4; HST; HST 1; human stomach cancer; transforming factor from FGF related oncogene; K FGF; kaposi sarcoma oncogene; KFGF; transforming protein KS3; FGF-4; HSTF-1; oncogene HST; heparin-binding growth factor 4; heparin secretory transforming protein 1; heparin secretory-transforming protein 1; fibroblast growth factor 4 splice isoform; human stomach cancer, transforming factor from FGF-related oncogene; HST-1; HSTF1; K-FGF; HBGF-4;
Gene ID	2249
mRNA Refseq	NM_002007
Protein Refseq	NP_001998

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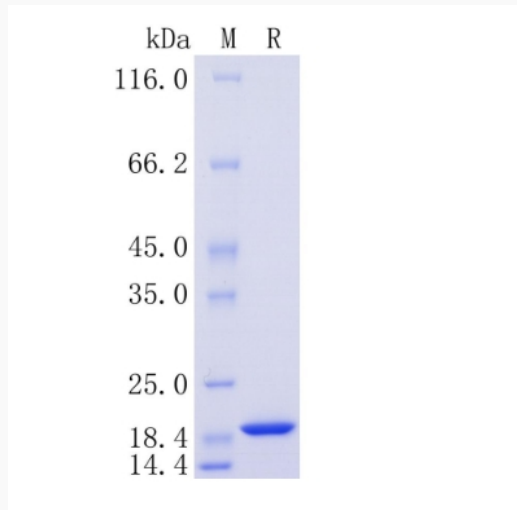
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MIM 164980

UniProt ID P08620

Protein on SDS-
PAGE under
reducing (R)
condition.



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