

Active Recombinant Human FGF4 protein

Cat. No. FGF4-167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF4 protein(P08620)(25-206 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	25-206 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in 1 × PBS, with 350 mM NaCl, 5% trehalose and 0.02% Tween-20, pH 7.0.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^6$ IU/mg.
Molecular Mass	Approximately 19.8 kDa, a single non-glycosylated polypeptide chain containing 182 amino acids.
AASequence	GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYCNVGIGF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FFVAMSSKGK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL
Endotoxin	Less than 1 EU/g of rHuFGF-4 as determined by LAL method.

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Purity	> 96 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
GENE INFORMATION	
Gene Name	FGF4 fibroblast growth factor 4 [Homo sapiens]
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
MIM	164980
UniProt ID	P08620
SDS-PAGE	

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