

## Recombinant Human Fibroblast Growth Factor 4

Catalog No: #AP60053

Package Size: #AP60053-1 5ug #AP60053-2 100ug #AP60053-3 500ug

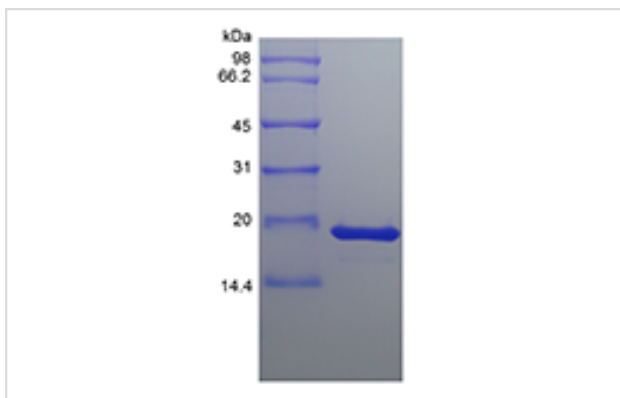
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## Description

Product Name	Recombinant Human Fibroblast Growth Factor 4
Host Species	Escherichia coli.
Purification	> 96 % by SDS-PAGE and HPLC analyses.
Other Names	HST, HST-1, HSTF-1, HBGF-4, Transforming Protein KS3
Uniprot	P08620
GeneID	2249
Calculated MW	Approximately 19.8 kDa, a single non-glycosylated polypeptide chain containing 182 amino acids.
Target Sequence	GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYCNAVIGIF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FVAMSSKKG LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 1 x PBS, with 350 mM NaCl, 5% trehalose and 0.02% Tween-20, pH 7.0.
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.

## Images



## Background

FGF-4, also named FGFB-KB andB KB-FGF, belongs to the fibroblast growth factor (FGF) family. By signaling through the FGFB R1c,B 2c,B 3cB andB 4 receptors, FGF-4 has functions that maintain a population of progenitor cells in the epiblast that generates mesoderm, and contribute to the stem cell population that is incorporated in the tailbud. It is also required for axial elongation of the mouse embryo after gastrulation. Mature human FGFB-4 (71B-206 a.a.) shares 91 %, 82 %, 94 % and 91 % a.a. identity with murine, rat, canine and bovine FGFB-4. Additionally, FGF-4 shares about 30 % sequence identity with the prototypical members of the FGF family.

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Note: This product is for in vitro research use only