

**RMCH093****Recombinant FGF-4 (Fibroblast growth factor-4), Human, AF** 5ug;20ug;100ug;500ug;

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**Synonym/Alternative name(s):**

HST-1, Transforming protein KS3, HBGF-4

**Activity:**

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is &lt;2.5 ng/mL.

**Protein Description:**

FGF-4 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. FGF-4 is mitogenic for fibroblasts and endothelial cells in vitro and has autocrine transforming potential. It is a potent angiogenesis promoter in vivo and has been investigated as a therapy for coronary artery disease.

**Protein Accession :** P08620.1**Gene ID :** 2249**Expression Sequence:**

MGRGGAAAPTAPNGTLEAELERRWESLVALSLARLPVAAQPKEAAVQSGAGDYLLGIKRLRRLYCNVIGIFHLQALPDGRIGGAHADT  
RDSLLELSPVERGVVSIFGVASRFFVAMSSKGKLYGSPFFTDCEFTKEILLPNNYNAYESYKYPGMFIALS KNGKTKKGNRVSPMTMKVTHF  
LPRL with polyhistidine tag at the C-terminus

**Fusion tag :** His-tag?at?the?C-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

&gt;95% as determined by SDS-PAGE.

Ni-NTA chromatography.

**Endotoxin level:**

&lt;0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 20.70 kDa**Formulation:**

The protein was lyophilized from a solution containing 0.1% sarkosyl in 1X PBS, pH 8.0.

**Reconstitution:**It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.**Shipping :** Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

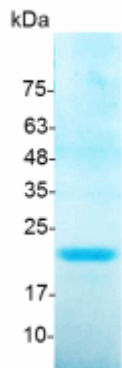
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant human FGF-4