

## 32-1173: FGF 4 Recombinant Protein

**Alternative Name :** HBGF4,FGF-4,FGF4,KFGF,HSTF1.

### Description

Source : Escherichia Coli. FGF4 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 182 amino acids and having a molecular mass of 19.8kDa. The FGF4 is purified by proprietary chromatographic techniques. FGF4 holds a comprehensive mitogenic and cell survival activities and takes part in a range of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF4 possess oncogenic transforming activity. FGF4 and FGF3, oncogenic growth factors are localized on chromosome 11. Co-amplification of both factors was found in several kinds of human tumors. FGF4 functions in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	The FGF4 protein was lyophilized with 2xPBS, pH 7.4.
<b>Storage condition :</b>	Lyophilized FGF4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-4 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYCNVGIGF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FFVAMSSK GK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL.

### Application Note

It is recommended to reconstitute the lyophilized FGF4 Human Recombinant sterile 18M-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. The ED<sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is <0.5ng/ml, corresponding to a specific activity of > 2,000,000units/mg.

