

## Fibroblast Growth Factor-4 Human Recombinant

<b>Item Number</b>	rAP-2208
<b>Synonyms</b>	HBGF4, FGF-4, FGF4, KFGF, HSTF1.
<b>Description</b>	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.
<b>Uniprot Accesion Number</b>	P08620
<b>Amino Acid Sequence</b>	GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYC-NVGIGF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FVAMSSKKGK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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>Formulation and Purity</b>	The FGF4 protein was lyophilized with 2xPBS, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized FGF4 Human Recombinant sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is <math>\lt; 0.5\text{ng/ml}</math>, corresponding to a specific activity of <math>\gt; 2,000,000\text{units/mg}</math>.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**