9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FGF4 Human

Fibroblast Growth Factor-4 Human Recombinant
GRF0102

Product Overview

Name	FGF4 Human
Description	
Fibroblast Growth Factor-4 Human Recombinant	
Accession (Primary)	P08620
Synonyms	
HBGF4, FGF-4, FGF4, KFGF, HSTF1.	
Introduction	
FGF4 holds s 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The FGF4 protein was lyophilized with 2xPBS, pH 7.4.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
GRGGAAAPTA PNGTLEAELE RRWESLVALS LARLPVAAQP KEAAVQSGAG DYLLGIKRLR RLYCNVGIGF HLQALPDGRI GGAHADTRDS LLELSPVERG VVSIFGVASR FFVAMSSKGK LYGSPFFTDE CTFKEILLPN NYNAYESYKY PGMFIALSKN GKTKKGNRVS PTMKVTHFLP RL.	

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Biological Activity

The ED 50 as determined by NR6R-3T3 Proliferation is 0.543ng/ml, corresponding to a specific activity of 1.8X10 6 units/mg.

Solubility

It is recommended to reconstitute the lyophilized FGF4 Human Recombinant sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FGF4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P08620)