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FGF 8 Human

Fibroblast Growth Factor-8 Human Recombinant
GRF0079

Product Overview

Name	FGF 8 Human
Description	
Fibroblast Growth Factor-8 Human Recombinant	
Accession (Primary)	P55075
Synonyms	
FGF8B, FGF-8B, FGF8-B, KAL6, HBGF-8, HBGF8, AIGF, HBGF-8, MGC149376, fibroblast growth factor 8.	
Introduction	
FGF8 is part of the fibroblast growth factor family. FGF family members have wide mitogenic and cell survival activities, and participate in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF8 supports androgen and anchorage independent growth of mammary tumor cells. FGF8 over expression increases tumor growth and angiogensis. The adult expression of FGF-8 gene is restricted to testes and ovaries. FGF8 functions as an embryonic epithelial factor. FGF8 takes part in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a sterile 0.2 micron filtered aqueous solution containing 0.1% TFA.	
Stability	
Lyophilized FGF-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-8 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by analysis by SDS-PAGE.	
Amino acid sequence	
MQVTVQSSPN FTQHVREQSL VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD PFAKLIVETD TFGSRVRVRG AETGLYICMN KKGKLIAKSN GKGKDCVFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK	

GSKTRQHQRE VHFMKRLPRG HHTTEQSLRF EFLNYPPFTR SLRGSQRTWA PEPR.

Biological Activity

The ED 50 , as determined by its ability to induce proliferation of NR6-R 3T3, is 0.915ng/ml, corresponding to a specific activity of 1.1x10 6 units/mg.

Solubility

It is recommended to reconstitute the lyophilized FGF-8 in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FGF 8 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P55075)