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

FGF 8 Mouse, 194 a.a.

Fibroblast Growth Factor-8 Mouse Recombinant, 194 a.a.
GRF0081

Product Overview

Name	FGF 8 Mouse, 194 a.a.

Description

Fibroblast Growth Factor-8 Mouse Recombinant, 194 a.a.

Accession (Primary)	P37237

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 concentrated (1mg/ml) solution containing 5mM Na3PO4 and 50 mM NaCl, pH 7.5.

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 97.0% as determined by analysis by SDS-PAGE.

Amino acid sequence

MQVTVQSSPN FTQHVREQSL VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD PFAKLIVETD TFGSRVRVRG AETGLYICMN KKGKLIAKSN GKGKDCVFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK

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

GSKTRQHQRE VHFMKRLPRG HHTTEQSLRF EFLNYPPFTR SLRGSQRTWA PEPR

Biological Activity

The activity is determined by its ability to induce proliferation of mouse 3T3 cells and is typically less than 20ng/ml corresponding to a specific activity of 50,000units/mg.

Solubility

It is recommended to reconstitute the lyophilized FGF 8 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FGF 8 Mouse, 194 a.a. is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P37237)