
Product Data Sheet

Product Name: FGF8 Human, HEK
Cat. No.: GP20226
Batch No.: 1

Product Data

Purity	>98%	Source	HEK.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	FGF8B; FGF-8B; FGF8-B; KAL6; HBGF-8; HBGF8; AIGF; HBGF-8; MGC149376; fibroblast growth factor 8.		
Solubility	It is recommended to reconstitute the lyophilized FGF8 in sterile water containing 0.1% endotoxin-free recombinant HSA.		
Formulation	The FGF-8 was lyophilized in 10mM Tris-HCl pH 7.4 and 800mM NaCl.		

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 angiogenesis. 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.

Biological Activity

The specific activity was determined by the dose-dependent stimulation of the proliferation of the Balb/3T3 cell line, the ED50 is <60ng/ml.

Stability

Lyophilized FGF-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution FGF8 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

FGF-8 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 30-45kDa due to glycosylation. The FGF8 is purified by proprietary chromatographic techniques.

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