



Fibroblast Growth Factor-8, HEK, human recombinant (rHuFGF8-HEK)

Catalog No: 97447
Lot No: XXXXX
Source: HEK293
Synonyms: FGF8B, FGF-8B, FGF8-B, KAL6, HBGF-8, HBGF8, AIGF, HBGF-8, MGC149376, fibroblast growth factor 8

Background

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.

Description

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

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

The FGF-8 was lyophilized from 1 mg/ml in 1xPBS.

Solubility

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

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.

Purity

Greater than 95% as observed by SDS-PAGE.

Activity

The specific activity was determined by the dose-dependent stimulation of the proliferation of the Balb/3T3 cell line and is typically 15 - 60 ng/ml.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

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