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FGF 8 Human

Catalog #:CYPS-721

For research use only.

Description:FGF-8b Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide having a Mw of 22.5 kDa and purified by proprietary chromatographic techniques.

Synonyms:FGF8B, FGF-8B, FGF8-B, KAL6, HBGF-8, HBGF8, AIGF, HBGF-8, MGC149376, fibroblast growth factor 8.

Source: Escherichia Coli.

Physical Appearance: Filtered white lyophilized powder.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
Filtered (0.4

Stability:
Lyophilized FGF-8b Human Recombinant althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor-8bshould 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.

Usage:
NeoBiolab's products are furnished forLABORATORY RESEARCHUSEONLY. They may not be used as drμgs,agricultural or pesticidal products, food additives or household chemicals.

Solubility:
Add deionized water to a working concentration approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

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.

Biological Activity:
ED50 range = 10-50 ng/mL, determined by the dose dependent proliferation of mouse BALB/3T3 cells. Optimal concentration for individual application should be determined by a dose response assay.

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