

FGF 8 Human

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.

Catalog #: CYPs-721

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

For research use only.

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 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor-8b 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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, 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 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:

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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