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FGF 8 Mouse

Description:FGF-8 Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 246 amino acids and having a molecular mass of 28.1kDa.The FGF-8 is purified by proprietary chromatographic techniques.

Synonyms: Fibroblast growth factor 8, FGF-8, Androgen-induced growth factor, AIGF, Heparin-binding growth factor 8, HBGF-8, Fgf8.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:QVRSAAQKRG PGAGNPADTL GQGHEDRPFG QRSRAGKNFT NPAPNYPEEG SKEQRDSVLP KVTQRHVREQ SLVTDQLSRR LIRTYQLYSR TSGKHVQVLA NKRINAMAED GDPFAKLIVE TDTFGSRVRV RGAETGLYIC MNKKGKLIAK SNGKGKDCVF TEIVLENNYT ALQNAKYEGW YMAFTRKGRP RKGSKTRQHQ REVHFMKRLP RGHHTTEQSL RFEFLNYPPF TR

Purity: Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
FGF-8 protein was lyophilized from a 0.2

Stability:
Lyophilized FGF-8 althoμgh 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized FGF-8 in sterile 18M-cm H2O not less than 100

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:
The ED50, as determined by the dose-dependent a cell proliferation assay using NR6R-3T3

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mouse fibroblast cells is <25 ng/ml in the presence of 0.1 µg/ml heprin, corresponding to a specific activity of > 4.0

To place an order, please Click HERE.

Catalog #:CYPS-077

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