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32-1175: FGF 8 Recombinant Protein

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

Description

Source : Escherichia Coli. FGF 8 Human Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 194 amino acids and having a total molecular mass of 22.5kDa. 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.

Product Info

Amount :	25 µg
Purification :	Greater than 97.0% as determined by analysis by SDS-PAGE.
Content :	Lyophilized from a concentrated (1mg/ml) solution containing 5mM Na3PO4 and 50mM NaCl, pH 7.5.
Storage condition :	Lyophilized FGF 8 although 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.
Amino Acid :	MQVTVQSSPN FTQHVREQSL VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD

Application Note

It is recommended to reconstitute the lyophilized FGF 8 in sterile 18M-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50, as determined by its ability to induce proliferation of mouse 3T3 fibroblasts, is 5-7ng/ml, corresponding to a specific activity of 2x105units/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.