

Recombinant Human FGF8 Protein, His-tagged

Cat. No. FGF8-789H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human FGF8, transcript variant F, fused with His tag at N-terminal was expressed in E. coli.

Species Human

Source E.coli

Description The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogenesis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants.

Form 50mM Tris, pH8.0, 500mM NaCl, 10% glycerol.

Molecular Mass 25.3 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name FGF8 fibroblast growth factor 8 (androgen-induced) [Homo sapiens]

Official Symbol FGF8

Synonyms FGF8; fibroblast growth factor 8 (androgen-induced); fibroblast growth factor 8; AIGF; androgen-induced growth factor; heparin-binding growth factor 8; KAL6; FGF-8; HBGF-8; MGC149376;

Gene ID 2253

mRNA Refseq NM_001206389

Protein Refseq NP_001193318

MIM 600483

UniProt ID P55075

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