

RMCH097

Recombinant FGF-8b (Fibroblast growth factor-8b), Human, AF



5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s) : AIGF, HBGF-8

Activity:

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is 1.4-3.8 ng/mL.

The specific activity of recombinant human FGF-8b is > 2 x 10⁵ IU/mg.

Protein Description:

FGF-8b 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. FGF-8 shows limited expression in the normal adult, but low levels are found in the reproductive and genitourinary tract, peripheral leukocytes and bone marrow hematopoietic cells. FGF-8b is one of the isoforms of FGF-8, and is involved in many biological processes including angiogenesis.

Protein Accession : P55075.1

Gene ID : 2253

Expression Sequence:

MQHVRQSLVTDQLSRRLIRTYQLYSRTSGKHVQVLANKRINAMAEDGDPFAKLIVETDTFGSRVVRVGAETGLYICMNKKGKLIKSN
GKGKDCVFTEIVLENNYTALQNAKYEGWYMAFTRKGRPRKSGKTRQHQREVHFMKRLPRGHHTTEQSLRFEFLNYPFTRSLRGSQRT
WAPEPR with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Human

Reactivity : Human

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 22.14 kDa

Formulation:

The protein was lyophilized from a solution containing 0.1% sarkosyl in 1X PBS, pH 8.0.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

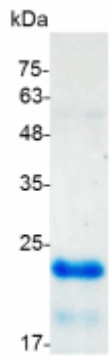
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human FGF-8b