

RMCH090

Recombinant FGF-1 (Fibroblast growth factor-acidic),
Human , AF



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

Synonym/Alternative name(s) : HBGF-1, ECGF-beta

Activity:

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is <0.3 ng/mL.

The specific activity of recombinant human FGF-1 is > 1 x 10⁶ IU/mg.

Protein Description:

FGF1, also known as an acidic fibroblast growth factor (aFGF), is a growth factor and signaling protein encoded by the FGF1 gene. FGF1 has used in studies on angiogenesis and mitogenesis of fibroblasts; tyrosine phosphorylation studies; neurite outgrowth studies in PC-12 cells, and receptor binding studies.

Protein Accession : P05230.1

Gene ID : 2246

Expression Sequence:

MFNLPPEGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERL EENHYNTYISKKHAEKNWVFLGKNGSCKRGRPRTHYGQKAILFLPLPVSSD 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:

>98% 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 : 16.77 kDa

Formulation:

The protein was lyophilized from a solution containing 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-1