

RMCH094

Recombinant FGF-5 (Fibroblast growth factor-5), Human, AF



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

Synonym/Alternative name(s) : HBGF-5, Smag-82

Activity:

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is <0.7 ng/mL.

The specific activity of recombinant human FGF-5 is > 1.4 x 10⁶ IU/mg

Protein Description:

FGF-5 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. In the nervous system, FGF-5 has been most often identified in neurons associated with the limbic system, notably in neurons of the olfactory bulb and pyramidal cells of the hippocampus. Hippocampal FGF-5 is suggested to serve as a neurotrophic and differentiative factor for cholinergic and serotonergic neurons projecting to this region.

Protein Accession : AAB06463.1

Gene ID : 2250

Expression Sequence:

MAWAHGEKRLAPKGQPGPAATDRNPIGSSSRQSSSSAMSSSSASSSPAASLGSQGSGLEQSSSFQWSPSGRRRTGSLYCRVGIGFHLQIY PDGKVNVSHEANMLSVLEIFAVSQGIVGIRGVFSNKLAMSKKGLHASAKFTDDCKFRERFQENSYNTYASAIHRTEKTGREWYVALN KRGKAKRGCSPRVKPKQHISTHFLPRFKQSEQPELSFTVTVPEKKNPPSPIKSK IPLSAPRKNT NSVKYRLKFR FG 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 : 28.46 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.

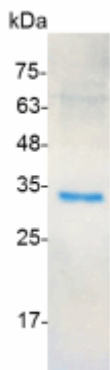
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

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-5