

RMCH109**Recombinant FGF-20 (Fibroblast growth factor-20), Human, AF** 5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s) : FGFK**Activity:**

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is 1.3-3.2 ng/mL.

The specific activity of recombinant human FGF-20 is > 2 x 10⁵ IU/mg.

Protein Description:

FGF-20 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-20 signals through FGFR 2c and 3c, and is expressed during limb and brain development. Recombinant Human FGF-20 is a 23.2 kDa protein containing 209 amino acid residues.

Protein Accession : Q9NP95.1**Gene ID :** 26281**Expression Sequence:**

MPLAEVGGFLGGLEGLGQQVGSFHLLPPAGERPPLLGERSSAAERSARGGPGAAQLAHLHGILRRRQLYCRTGFHLQILPDGVSQGTR QDHSLEFGILEFISVAVGLVSIKRVDSGLYLGMDKDGELYGSEKLTSECIFREQFEENWYNTYSSNIYKHGDTGRRYFVALNKDGTPRDGA RSKRHQKFTHFLPRPVDPERVPELYKDLLMYT 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 : 24.24 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-20