

RMCH108**Recombinant FGF-19 (Fibroblast growth factor-19), Human, AF** 5ug;20ug;100ug;500ug;

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

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is <51 ng/mL.

Protein Description:

FGF-19 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-19 is a specific ligand for FGF R4. Similarly, another FGF family member, FGF-7 (KGF), only activates KGF R, the IIIb isoform of FGF R2. During chick embryogenesis, FGF-19 has been shown to act synergistically with Wnt-8c to initiate inner ear development.

Protein Accession : O95750.1**Gene ID :** 9965**Expression Sequence:**

MRPLAFSDAGPHVHYGWGDPRIRLRHLTYSGPHGLSSCF LRIRADGVVDCARGQSAHSLLLEIKAVALRTVAIKGVHSVRYLCMGADGKM
QGLLQYSEEDCAFEIEIRPDGYNVYRSEKHRLPVLSLAKQRQLYKNRGLPLSHFLPMLPMVPEEPEDLRGHLESDMFSSPLETDSMDP
FGLVTGLEAVRSPSFEK 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 : 22.62 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

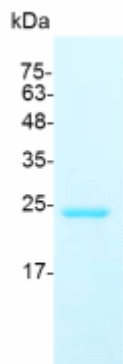
stabilizer (e.g. 0.1%

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-19