

RMCH104

Recombinant FGF-14 (Fibroblast growth factor-14), Human, AF



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

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Synonym/Alternative name(s) : FHF-4, FHF4, SCA27

Activity:

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is <21 ng/mL.

Protein Description:

FGF-14 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. FGF14 is probably involved in nervous system development and function.

Protein Accession : Q92915.1

Gene ID : 2259

Expression Sequence:

AAAIASGLIRQKRQAREQHWDRPSASRRRSPSKNRGLCNGNLVDIFSKVRIFGLKKRRLRRQDPQLKGIVTRLYCRQGYLQMHPDGA
LDGTDKDDSTNSTLFLNLPVGLRVVAIQGVKTGLYIAMNGEGYLYPSELFPECKFKESVFENYVIYSSMLYRQQESGRAWFLGLNKEGQ
AMKGNRVKKTKPAAHFLPKPLEVAMYREPSLHDVGETVPKPGVTPSKSTSASAIMNGGKPVNKSKT with polyhistidine tag at the
N-terminus.

Fusion tag : His-tag?at?the?N-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 : 28.28 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

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

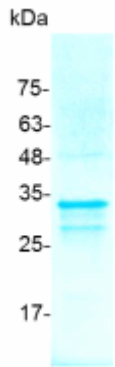
stabilizer (e.g. 0.1%

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-14