Recombinant FGF-1 (Fibroblast growth factor-acidic), fbmq*t

Order 021-34695924

orders@ab-mart.com

400-6123-828 Support

support1@ab-mart.com

Web www.ab-mart.com.cn

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.

☐ 5ug;20ug;100ug;500ug;

The specific activity of recombinant human FGF-1 is $> 1 \times 106 \text{ IU/mg}$.

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:

MFNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISKKHAEKNWFVGLKKNGSCKRGPRTHYGQKAILFLPLPVSSD 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.

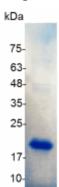
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

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