

Human recombinant FGF-22 (Fibroblast growth factor-22) protein, AF

Catalog Number: PROTQ9HCT0-1

Overview

Product Name	Human recombinant FGF-22 (Fibroblast growth factor-22) protein, AF
Description	Fibroblast Growth Factors-22 (FGF-22) is a 22.3 kDa member of the fibroblast Growth Factors with 209 amino acid residues. FGF-22 is expressed from brain, skin, horizontal cells, bipolar cells, rod photoreceptor cells, muller glia cells. Involving fasting response, glucose homeostasis, lipolysis, lipogenesis and hair development.
Size	5ug,20ug,100ug
Tag	His-SUMO Tag (N-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

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. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 29.35 kDa. The protein migrates as 36 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is <2 ng/mL.

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

TPSASRGPRSYPHLEGDVRWRRLFSSTHFFLRVDPGGRVQGTRWRHGGQDSILEIRSVHVGVVVIKAVSSGFYVAMNRRGRLYGSRLYTVD CRFRERIEEN
GHNTYASQRWRRRGQPMFLALDRRGPRPGGRTRYHLSAHFLPVLVS with polyhistidine tag and SUMO tag at the N-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex!
Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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