

ARG70128

Human FGF22 recombinant protein (Active) (His-SUMO tagged, N-ter)

Package: 100 µg, 20 µg

Store at: -20°C

Summary

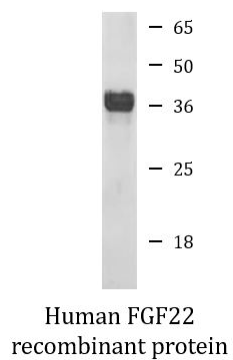
Product Description	E. coli expressed, His-SUMO tagged (N-ter) Active Human FGF22 recombinant protein
Tested Application	SDS-PAGE
Target Name	FGF22
Species	Human
A.A. Sequence	Thr23 - Ser170
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 2 ng/mL.
Alternate Names	Fibroblast growth factor 22; FGF-22

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FGF22
Gene Full Name	fibroblast growth factor 22
Background	The protein encoded by this gene 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. The mouse homolog of this gene was found to be preferentially expressed in the inner root sheath of the hair follicle, which suggested a role in hair development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Function	Plays a role in the fasting response, glucose homeostasis, lipolysis and lipogenesis. Can stimulate cell proliferation (in vitro). May be involved in hair development. [UniProt]
Cellular Localization	Secreted. [UniProt]



ARG70128 Human FGF22 recombinant protein (Active) (His-SUMO tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70128 Human FGF22 recombinant protein (Active) (His-SUMO tagged, N-ter).