ARG70124
Human FGF18 recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Human FGF18 recombinant protein
Tested Application	SDS-PAGE
Target Name	FGF18
Species	Human
A.A. Sequence	Ala27 - Arg199
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is 1.3-2.0 ng/mL. The specific activity of recombinant human FGF-18 is > 5 x 10^5 IU/mg.
Alternate Names	ZFGF5; Fibroblast growth factor 18; zFGF5; FGF-18

Properties

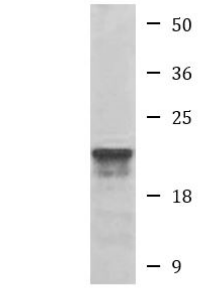
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate 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	FGF18
Gene Full Name	fibroblast growth factor 18
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. It has been shown in vitro that this protein is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures. [provided by RefSeq, Jul 2008]
Function	Plays an important role in the regulation of cell proliferation, cell differentiation and cell migration.

	Required for normal ossification and bone development. Stimulates hepatic and intestinal proliferation. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



Human FGF18
recombinant protein

ARG70124 Human FGF18 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70124 Human FGF18 recombinant protein (Active) (His-tagged, C-ter).