

ARG70126 Human FGF20 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 FGF20 recombinant protein
Tested Application	SDS-PAGE
Target Name	FGF20
Species	Human
A.A. Sequence	Pro3 - Thr211
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is 1.3-3.2 ng/mL. The specific activity of recombinant human FGF-20 is $> 2 \times 10^5$ IU/mg.
Alternate Names	Fibroblast growth factor 20; FGF-20; RHDA2

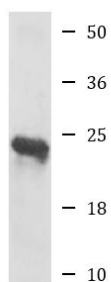
Properties

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	FGF20
Gene Full Name	fibroblast growth factor 20
Background	The protein encoded by this gene is a member of the fibroblast growth factor family. The fibroblast growth factors 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. This gene product is a secreted neurotrophic factor but lacks a typical signal peptide. It is expressed in normal brain, particularly the cerebellum, and may regulate central nervous system development and function. Homodimerization of this protein was shown to regulate its receptor binding activity and concentration gradient in the extracellular matrix. Genetic variations of this gene have been associated with Parkinson disease susceptibility. [provided by RefSeq, Oct 2009]
Function	Neurotrophic factor that regulates central nervous development and function. [UniProt]

Images



Human FGF20
recombinant protein

ARG70126 Human FGF20 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70126 Human FGF20 recombinant protein (Active) (His-tagged, C-ter).