Datasheet for ABIN6699856

FGF22 Protein

1 Image

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Overview

Quantity:	100 µg
Target:	FGF22
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Fibroblast Growth Factor-22 Recombinant Protein
Purification:	Fibroblast Growth Factor-22 purity was determined to be greater than 97% as determined by analysis by HpLC, UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	97,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity, as determined by the dose-dependent proliferation of 4MBr-5 cells, is typically 50-300 ng/mL.

Target Details

Target:	FGF22
Alternative Name:	FGF22 (FGF22 Products)
Background:	Synonyms: FGFM Background: Fibroblast Growth Factors (FGFs) are a 22 member family of proteins known to be

Target Details

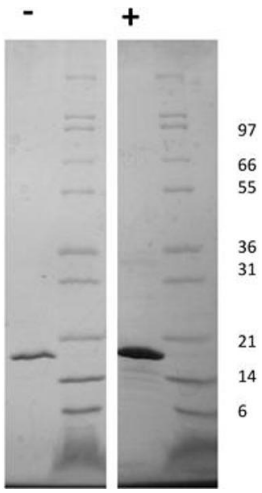
	involved in angiogenesis, wound healing and embryonic development. As a family, they bind to heparin and signal through four receptor tyrosine kinases called, FGFR1, 2, 3 and 4. Human FGF-22 is a member of the FGF-7 subfamily and is synthesized by multiple cell lines including neurons, keratinocytes and skeletal muscle myotubes. Human FGF-22 shares 86 % homology with mouse FGF-22. Recombinant human FGF-22 is a non-glycosylated protein, containing149 amino acids, with a molecular weight of 17.3 kDa.
UniProt:	Q9HCT0
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Application Notes:	Other: User Optimized Application_Note: Fibroblast Growth Factor-22 Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Fibroblast Growth Factor-22 in immunological assays.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 µL
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiry Date:	6 months



SDS-PAGE

Image 1. SDS-PAGE of Human Fibroblast Growth Factor-22 Recombinant Protein SDS-PAGE of Human Fibroblast Growth Factor-22 Recombinant Protein. Lane 1: 1 µg Human FGF-22 in non-reducing conditions . Lane 2: Molecular weight marker. Lane 3: 1 µg Human FGF-22 in reducing conditions (+). Lane 4: Molecular weight marker. Human FGF-22 is predicted have a MW of 17.3 kDa.

