Datasheet for ABIN6700921

FGF2 Protein

1 Image

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Overview

Quantity:	10 µg
Target:	FGF2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Fibroblast Growth Factor 154 basic Recombinant Protein (Animal Free)
Purification:	Fibroblast Growth Factor is produced with no animal-derived raw products, animal free equipment and animal free protocols. Purity was determined to be greater than 97% as determined by analysis by 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.
Grade:	Animal-Free
Biological Activity Comment:	The activity is determined by the dose-dependent proliferation of mouse BALB/c 3T3 cells and is typically less than 1 ng/mL.

Target Details

Target:	FGF2

Target Details

Alternative Name:	FGF2 (FGF2 Products)
Background:	Synonyms: Heparin-binding growth factor 2 (HBGF-2), Prostatropin, Basic fibroblast growth factor (bFGF) Background: Fibroblast Growth Factors (FGFs) are a 22 member family of proteins known to be 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. Although the mechanism remains unclear, FGF-basic 154, also known as FGF-2, is a critical component in keeping embryonic stem cells undifferentiated in cell culture systems. Recombinant human FGF-b 154 (FGF-2) is a non-glycosylated protein, containing 154 amino acids, with a molecular weight of 17.2 kDa.
UniProt:	P09038
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, C21-Steroid Hormone Metabolic Process, Inositol Metabolic Process, Glycosaminoglycan Metabolic Process, Protein targeting to Nucleus, S100 Proteins

Application Details

Application Notes:	Other: User Optimized Application_Note: Fibroblast Growth Factor 154 basic Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Fibroblast Growth Factor 154 basic in immunological assays.
Comment:	Suggested_Applications: Cellular Assay Other_Performance_Data:
Restrictions:	For Research Use only

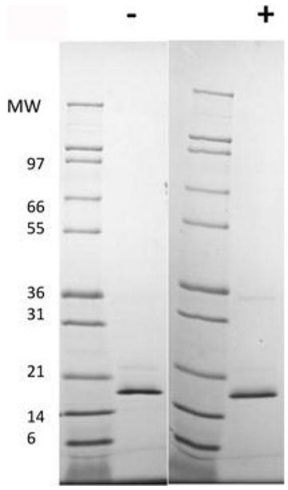
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 10 µL (10-100 µL)
Buffer:	Lyophilized from 10 mM sodium phosphate, 75 mM sodium chloride, pH 7.5.
Preservative:	Without preservative
Storage:	-20 °C

Handling

Storage Comment:	Store vial at -20° 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

Images



SDS-PAGE

Image 1. SDS-PAGE of Human Fibroblast Growth Factor 154 basic Recombinant Protein (Animal Free) SDS-PAGE of Human Fibroblast Growth Factor 154 Animal Free basic Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Human FGF154-basic AF in non-reducing conditions . Lane 3: Molecular weight marker. Lane 4: 1 µg Human FGF154-basic AF in reducing conditions (+). Human FGF154 basic AF has a predicted MW of 17.2 kDa.