

Datasheet for ABIN6699847

FGF2 Protein[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	Rat Fibroblast Growth Factor-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 95% as determined by analysis of reducing and non-reducing SDS-PAGE.
Purity:	95,00%
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 3T3 cells and is typically less than 1 ng/mL

Target Details

Target:	FGF2
Alternative Name:	Fgf2 (FGF2 Products)

Target Details

Background:	<p>Synonyms: Heparin-binding growth factor 2 (HBGF-2), Prostatropin, Basic fibroblast growth factor (bFGF)</p> <p>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.</p> <p>Recombinant rat FGF-basic is a non-glycosylated protein, containing 146 amino acids, with a molecular weight of 16.4 kDa.</p>
UniProt:	P13109
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

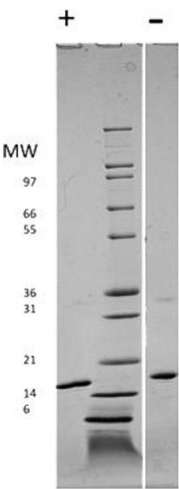
Application Details

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

Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution_Buffer: Restore with deionized water (or equivalent)</p> <p>Reconstitution_Volume: 10 µL (10-100 µL)</p>
Buffer:	Lyophilized in 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5.
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 Rat Fibroblast Growth Factor-basic Recombinant Protein (Animal Free) SDS-PAGE of Rat Fibroblast Growth Factor basic Animal Free Recombinant Protein. Lane 1: 1 µg Rat FGF-basic AF in reducing conditions (+). Lane 2: Molecular weight marker. Lane 3: 1 µg Rat FGF-basic AF in non-reducing conditions . Rat FGF basic AF has a predicted MW of 16.4 kDa.