Datasheet for ABIN6699858

FGF4 Protein

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Overview

Quantity:	5 µg
Target:	FGF4
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Fibroblast Growth Factor-4 Recombinant Protein
Purification:	Fibroblast Growth Factor-4 purity was determined to be greater than 98% as determined by analysis by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by its ability to induce the proliferation of mouse NR6R-3T3 fibroblasts and is typically 0.25-1.25 ng/mL.

Target Details

Target:	FGF4
Alternative Name:	FGF4 (FGF4 Products)
Background:	Synonyms: Transforming protein KS3, Heparin-binding growth factor (HBGF-4), Heparin secretory-transforming protein 1 (HST-1)

Target Details

	Background: Fibroblast Growth Factor 4 (FGF-4) is a growth factor predominantly expressed during embryonic development, playing a key role in limb development. In culture, FGF-4 has been shown to be an important regulator of growth for stem cells, fibroblasts and endothelial cells. Unglycosylated FGF-4 is N-terminally cleaved into 13 kDa or 15 kDa proteins that are more active than the precursor 19 kDa protein, Bellosa P, et al. (1993). Human FGF-4 shares high homology and cross-reactivity with the mouse protein. Recombinant human FGF-4 is a non-glycosylated protein containing 140 amino acids, with a total molecular weight of 15 kDa.
UniProt:	P08620
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Stem Cell Maintenance

Application Details

Application Notes:	Other: User Optimized Application_Note: Fibroblast Growth Factor-4 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-4 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: 5 µL (5-50 µL)
Buffer:	Lyophilized in 10 mM sodium phosphate, 75 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

Handling

	at room temperature.
Expiry Date:	6 months

