Datasheet for ABIN987856

FGF7 Protein

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Overview

Quantity:	10 µg
Target:	FGF7
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	MCNDMSPEQT ATSVNCSSPE RHTRSYDYME GGDIRVRRLF CRTQWYLRID KRGKVKGTQE MKNSYNIMEI RTVAVGIVAI KGVESEYYLA MNKEGKLYAK KECNEDCNFK ELILENHYNT YASAKWTHSG GEMFVALNQK GIPVKGKKTK KEQKTAHFLP MAI
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a cell proliferation assay using monkey 4MBr-5 cells is less than 50 ng/ml, corresponding to a specific activity of >, 2.0 × 104 IU/mg.
Purity:	> 96 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rMuFGF-7/KGF-1 as determined by LAL method

Target Details

Target:	FGF7
Alternative Name:	Fibroblast Growth Factor-7(FGF-7) (FGF7 Products)
Background:	Fibroblast Growth Factor-7 (FGF-7/KGF) is one of 23 known members of the FGF family. All FGFs have two conserved cysteine residues and share 30 - 50% sequence identity at the amino

Target Details

	acid level. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of variety of tissues, by promoting cellular proliferation and differentiation. KGF-1/FG-7 is a mitogen factor specific for epithelial cells and keratinocytes and signals through FGFR 2b. KGF-1/FGF-7 plays a role in kidney and lung development, angiogenesis, and wound healing. Synonym: Fibroblast Growth Factor-7(FGF-7), Mouse. Formulation: Lyophilized from a 0.2μm filtered solution in 20mM PB, pH 8.0, 1M NaCl.
Molecular Weight:	Approximately 18.9 kDa, a single, non-glycosylated polypeptide chain containing 164 amino acids.
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.
Storage:	4 °C