

## Datasheet for ABIN987850 FGF7 Protein



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### Overview

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

### Product Details

Sequence:	MCNDMTPEQM ATNVNCSSPE RHTRSVDYME GGDIVRRLRF CRTQWYLRID KRGKVKGTQE MKNNYNIMEI RTVAVGIVAI KGVSEFYLA MNKEGKLYAK KECNEDCNFK ELILENHYNT YASAKWTHNG GEMFVALNQK GIPVRGKTK 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 75 ng/ml, corresponding to a specific activity of $> 1.3 \times 10^4$ IU/mg.
Purity:	$> 96$ % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuFGF-7/KGF-1 as determined by LAL method

### Target Details

Target:	FGF7
Alternative Name:	Fibroblast Growth Factor-7 (FGF-7) ( <a href="#">FGF7 Products</a> )
Background:	Keratinocyte Growth Factor-1 (KGF-1/FGF-7) 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

## Target Details

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amino 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), Human. Formulation: Lyophilized from a 0.2µm filtered solution in 20mM PB, pH 8.0, 1M NaCl.

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Molecular Weight: Approximately 19.0 kDa, a single, non-glycosylated polypeptide chain containing 164 amino acids.

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Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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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.

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Storage: 4 °C