

Datasheet for ABIN2115476
FGF7 Protein (AA 32-194)



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Overview

Quantity:	50 µg
Target:	FGF7
Protein Characteristics:	AA 32-194
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Fibroblast Growth Factor 7/FGF-7/KGF
Sequence:	CNDMTPEQMA TNVNCSSPER HTRSYDYMEG GDIRVRLFC RTQWYLRIK RGKVKGQTQEM KNNYNIMEIR TVAVGIVAIK GVESEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHNTY ASAKWTHNGG EMFVALNQKG IPVRGKTKK EQKTAHFLPM AIT
Characteristics:	Recombinant Human KGF is produced with our E. coli expression system. The target protein is expressed with sequence (Cys32-Thr194) of Human KGF.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	FGF7
Alternative Name:	KGF (FGF7 Products)

Target Details

Background:	Fibroblast growth factor 7 (FGF7) is a secreted protein which is mainly located in epithelial cells and belongs to the heparin-binding growth factors family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF7 is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. It is possible major paracrine effector of normal epithelial cell proliferation. Synonyms: Fibroblast growth factor 7,FGF-7,Heparin-binding growth factor 7,HBGF-7,Keratinocyte growth factor,FGF7,KGF
Molecular Weight:	19.1 kDa
UniProt:	P21781
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, pH 8.0,150 mM NaCl.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.