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Datasheet for ABIN7318490 FGF7 Protein

Overview

Quantity:	50 µg
Target:	FGF7
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human FGF-7/KGF Protein (Active)
Sequence:	Cys32-Thr194
Characteristics:	Recombinant Human Fibroblast Growth Factor 7/Keratinocyte growth factor is produced by our E.coli expression system and the target gene encoding Cys32-Thr194 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human KGF at 2µg/ml(100 µl/well) can bind Human FGF R3-Fc(Cat: PKSH033678). The ED50 of Human KGF is 0.788 ug/ml .

Target Details

Target:	FGF7
Alternative Name:	FGF-7/KGF (FGF7 Products)

Target Details

Background: 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.

Synonym: 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

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, pH 8.0,150 mM NaCl.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.