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Datasheet for ABIN7318491 FGF7 Protein (His tag)

Overview

Quantity:	50 µg
Target:	FGF7
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FGF7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human FGF-7/KGF Protein (His Tag)(Active)
Sequence:	Cys32-Thr194
Characteristics:	Recombinant Human Fibroblast Growth Factor 7/Keratinocyte growth factor is produced by our Mammalian expression system and the target gene encoding Cys32-Thr194 is expressed with a 6His tag at the C-terminus.
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-His at 0.5µg/ml(100 µl/well) can bind Human FGF R3-Fc(Cat: PKSH033678). The ED50 of Human KGF-His is 31.121ug/ml .

Target Details

Target:	FGF7
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Target Details

Alternative Name: FGF-7/KGF ([FGF7 Products](#))

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

Molecular Weight: 20.0 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 PBS, pH 7.4.

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.