

## Datasheet for ABIN7520006 **FGF7 Protein (His tag)**

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### Overview

Quantity:	20 µg
Target:	FGF7
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF7 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human FGF-7/HBGF-7 Protein
Sequence:	CNDMTPEQMA TNVNCSSPER HTRSYDYMEG GDIRVRLFC RTQWYLRIK RGKVKGQTQEM KNNYNIMEIR TVAVGIVAIK GVESEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHYNTRY ASAKWTHNGG EMFVALNQKG IPVRGKKTKK EQKTAHFLPM AIT
Specificity:	Cys32-Thr194
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.01EU/µg

### Target Details

Target:	FGF7
Alternative Name:	FGF-7/HBGF-7 ( <a href="#">FGF7 Products</a> )
Background:	Description: Fibroblast growth factor 7 (FGF7) is a member of the fibroblast growth factor (FGF) family of proteins. FGF7 plays an important role in regulating the proliferation, migration,

## Target Details

and differentiation of cells. FGF7 is of stromal origin and produces a paracrine effect on epithelial cells. FGF7 is a mesenchyme-specific heparin-binding growth factor that binds FGF receptor 2 (FGFR2) to regulate numerous cellular and physiological processes. FGF7/FGFR2 promotes invasion and migration in human gastric cancer. FGF7 is specifically utilized as a paracrine factor during the process of differentiation of the epidermal layers in the regenerating scales and in particular for beta-cells differentiation. FGF7 over expression is associated with advanced clinical features in patients with upper tract and bladder urothelial carcinoma, justifying its potential prognostic value for urothelial carcinoma.

Name: KGF, HBGF-7,FGF7

Gene ID:	2252
UniProt:	<a href="#">P21781-1</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	1.1 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.