

KGF/FGF-7 Active Protein | FGF7 active protein

KGF/FGF-7 Protein, Human, Recombinant (His Tag)

CATALOG #
AAA257846

HOST
E Coli

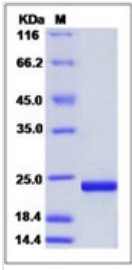
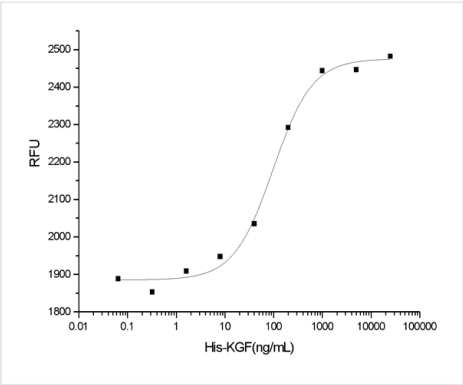
PRODUCT SYNONYMS

KGF/FGF-7; KGF/FGF-7 Protein; Human; Recombinant (His Tag); Human FGF7/FGF-7/KGF Protein (His Tag); HBGF-7 Protein; KGF Protein; fibroblast growth factor 7; FGF7 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile 50mM Tris, 250mM NaCl, pH7.5. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Cys32-Thr1 94
Species	Human
Activity	Measured in a cell proliferation assay using 4MBr?5 rhesus monkey epithelial cells. The ED50 for this effect is 20-120ng/mL.
Predicted N Terminal	His
Tag	N-His
Protein Construction	A DNA sequence encoding the human KGF (P21781)(Cys32-Thr194) was expressed with a polyhistidine tag at the N-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



SDS-PAGE

Application Data
Measured in a cell proliferation assay using 4MBr-5 rhesus monkey epithelial cells. The ED50 for this effect is 20-120 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for FGF7 active protein	Background: 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, 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503705
NCBI GeneID	2252
NCBI Accession #	NP_002000.1
NCBI GenBank Nucleotide #	NM_002009.3
UniProt Accession #	P21781
Molecular Weight	22,509 Da
NCBI Official Full Name	fibroblast growth factor 7
NCBI Official Synonym Full Names	fibroblast growth factor 7
NCBI Official Symbol	FGF7
NCBI Official Synonym Symbols	KGF; HBGF-7
NCBI Protein Information	fibroblast growth factor 7; FGF-7; keratinocyte growth factor; heparin-binding growth factor 7
UniProt Protein Name	Fibroblast growth factor 7
UniProt Gene Name	FGF7
UniProt Synonym Gene Names	KGF; FGF-7; HBGF-7
UniProt Entry Name	FGF7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

