

Human FGF-7/KGF Protein

Cat. No. KGF-HE001

Description

Source	Recombinant Human FGF-7/KGF Protein is expressed from E.coli without tag. It contains Cys32-Thr194.
Accession	P21781-1
Molecular Weight	The protein has a predicted MW of 18.88 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 0.1EU per µg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE

Formulation and Storage

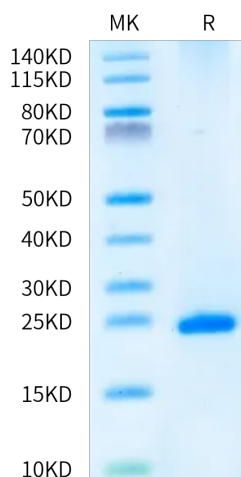
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The expression patterns of mRNAs encoding Fibroblast Growth Factor-7 (FGF-7) and its high affinity receptor suggested that FGF-7 signaling may play a role in regulating ureteric bud growth. Results of these studies demonstrate that the developing ureteric bud and mature collecting system of FGF-7-null kidneys is markedly smaller than wild type. FGF-7 levels modulate the extent of ureteric bud growth during development and the number of nephrons that eventually form in the kidney.

Assay Data

Bis-Tris PAGE

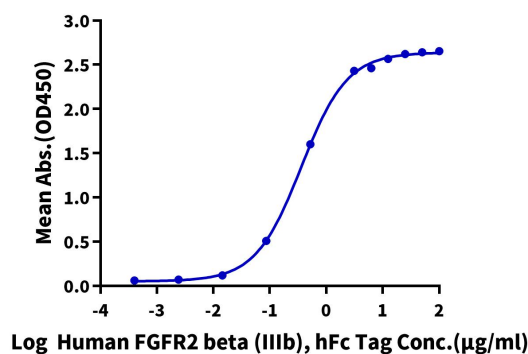


Human FGF-7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human FGF-7, No Tag ELISA

0.5µg Human FGF-7, No Tag Per Well



Immobilized Human FGF-7, No Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human FGFR2 beta (IIIb), hFc Tag with the EC50 of 0.36µg/ml determined by ELISA (QC Test).