

Datasheet for ABIN7275082

FGF7 Protein (AA 32-194) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FGF7
Protein Characteristics:	AA 32-194
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF7 protein is labelled with His tag.

Product Details

Purpose:	Human FGF-7/KGF Protein
Sequence:	Cys32-Thr194
Characteristics:	Recombinant Human FGF-7/KGF Protein is expressed from E.coli with His tag at the N-Terminus.It contains Cys32-Thr194.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

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

Target Details

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.t 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.
Molecular Weight:	20.1 kDa same as Tris-Bis PAGE result.
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

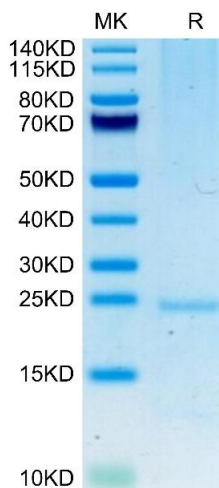
Application Details

Restrictions:	For Research Use only
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Handling

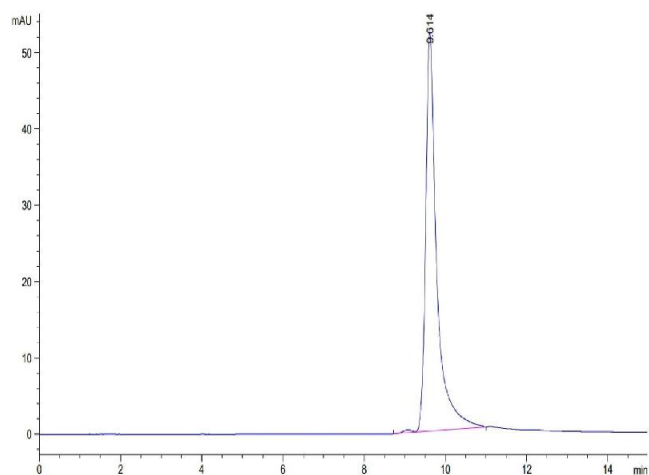
Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 50 mM Tris, 250 mM NaCl (pH 7.5).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. Human FGF-7/KGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human FGF-7/KGF is greater than 95 % as determined by SEC-HPLC.