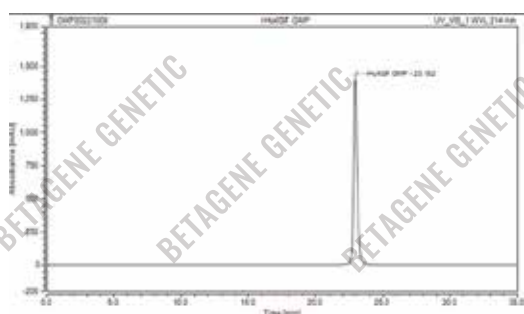


RECOMBINANT HUMAN KGF1 (FGF7) TAG-FREE GMP

Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Gene ID	2252
Description	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) 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. This protein is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. KGF (FGF-7) signals through FGFR 2b. KGF (FGF-7) plays a role in kidney and lung development, as well as in angiogenesis and wound healing.
Catalog Number	GE12.1/GE12.2/GE12.3/GE12.4
Unit Size	10µg/50µg/100µg/1mg
Source	E.Coli
Molecular Weight	Approximately 18.9 kDa, a single, non-glycosylated polypeptide chain containing 163 amino acids.
AA Sequence	CNDMTPEQMATNVNCSSPERHTRSYDMEGGDIRVRLFCRTQWYLRIKRGKVKGTQEMKNNYNIMEIRTVAVGIVAIGKGVSEFYLAMNKEG KLYAKKECNEDCNFKELILENHNTYASAKWTHNGGEMFVALNQKGIPVRGKKTKEQKTAHFLPMAIT
Purity (HPLC)	> 98%
Purity (SDS-PAGE)	> 98%
Biological Activity	The ED ₅₀ as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is < 10 ng/mL, corresponding to a specific activity of $\geq 1.0 \times 10^5$ Units/mg.
Host Cell DNA Residue	< 0.02 ng/µg of protein tested by DNA Fluorescent Staining method.
Host Cell Protein Residue	< 0.5 ng/µg of protein tested by ELISA.
Formulation	Lyophilized from a 0.2 µm filtered solution in 20mM PB, pH 7.4, 500 mM NaCl, 0.02 % Tween-20
Sterility	Negative
Endotoxin	< 0.01EU/µg as determined by LAL gel-clot method.
Mycoplasma	Negative
Reconstitution	Before use this product, please read the direction below carefully: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Stability & Storage	For long term storage, the product should be stored ≤ -20 °C. Please avoid repeated freeze-thaw cycles after reconstitution. 1. At least 24 months from date of receipt, ≤ -20 °C as supplied; 2. 1 month, 2 to 8 °C under sterile conditions after reconstitution; 3. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended.



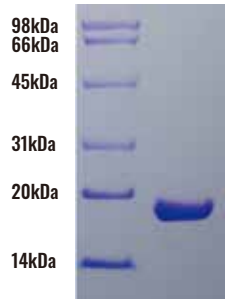
DATA



Purity of Recombinant Human KGF1

HPLC

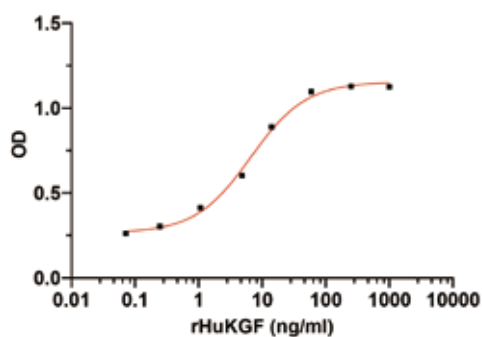
HPLC analysis of rhKGF-1/FGF-7 GMP. The major peak corresponds to the calculated purity of > 98%



Purity of Recombinant Human KGF1

SDS-PAGE

2 µg/lane of Recombinant Human KGF-1/FGF-7 was resolved with SDS-PAGE under reducing (R) conditions and visualized by Coomassie® Blue staining, showing R band at 18.9kDa.



Bioactivity of Recombinant Human KGF1

The ED₅₀ as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is < 10 ng/mL, corresponding to a specific activity of $\geq 1.0 \times 10^5$ Units/mg.

CONTENTS

Product	Cat. No.	Amount	Storage	Shelf life
Recombinant Human KGF1(FGF7) (GMP-Grade)	GE12.1	10µg	≤-20°C	24 months
	GE12.2	50µg		
	GE12.3	100µg		
	GE12.4	1mg		

LIMITED WARRANTY

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