

Active Recombinant Human FGF7 Protein

Cat. No. FGF7-229F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF7 Protein without tag was expressed in CHO.
Species	Human
Source	CHO
Description	Keratinocyte Growth Factor (KGF), also known as FGF-7 and HBGF-7, is a mitogen factor belonging to the heparin-binding growth factor family. It is expressed mainly by epithelial cells. KGF binds to fibroblast growth factor receptor 2b (FGFR2b) to form a dimeric complex and initiate downstream signals. KGF plays an important role in embryonic development, cell proliferation and differentiation. It has also been reported to function in kidney and lung development, angiogenesis, wound healing and tumor invasion.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 1 ng/mL, measured in a proliferation assay using 4MBr5 cells.
Molecular Mass	16-18 kDa, observed by reducing SDS-PAGE.
AA Sequence	CNDMTPEQMATNVNCSSPERHTRSVDYMEGGDIRVRRLLFCRTQWYLRIKRGKVK GTQEMKNNYNIMEIRTVAVGIVAIGVSEFYLAMNKEGKLYAKKECNEDCNFKELIL ENHYNTYASAKWTHNGGEMFVALNQKGIPVRGKTKKKEQKTAHFLPMAIT
Endotoxin	< 0.2 EU/μg, determined by LAL method.

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Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant human Keratinocyte Growth Factor(rhKGF) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Keratinocyte Growth Factor should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/mL.

GENE INFORMATION

Gene Name	FGF7 fibroblast growth factor 7 [Homo sapiens]
Official Symbol	FGF7
Synonyms	FGF7; fibroblast growth factor 7; fibroblast growth factor 7 (keratinocyte growth factor); keratinocyte growth factor; KGF; FGF-7; heparin-binding growth factor 7; HBGF-7;
Gene ID	2252
mRNA Refseq	NM_002009
Protein Refseq	NP_002000
MIM	148180
UniProt ID	P21781

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