

RPPB0695

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## Product Information    Protein Information

**Product SKU:**

RPPB0695

**Accession:**

P21781

**Host:**

Escherichia Coli.

**Protein description:**

Keratinocyte Growth Factor-1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 164 amino acids and having a molecular mass of 18995 Dalton. The FGF-7 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

HBGF-7, FGF7, FGF-7, KGF.

**Formulation:**

Lyophilized from a 0.2?m filtered solution in 20mM PB, pH 8.0, 1M NaCl.

**Purity:**

Greater than 96.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Keratinocyte Growth Factor in sterile 18MΩ-cm H<sub>2</sub>O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Keratinocyte Growth Factor1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF7 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MCNDMTPEQM ATNVNCSSPE RHTRSYDYME GGDIVRRLF CRTQWYLRIK KRGKVKGTQE MKNNYNIMEI  
RTVAVGIVAI KGVSEFYLA MNKEGKLYAK KECNEDCNFK ELILENHYNT YASAKWTHNG GEMFVALNQG  
GIPVRGKTK KEQKTAHFLP MAIT.

**Biological Activity:**

The biological activity was determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing KGF receptors yielding an ED<sub>50</sub> <10ng/ml, corresponding to a Specific Activity of 1.0×10<sup>5</sup> IU/mg.