Human KGF / FGF-7

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1375.950.002		
10 µg	1375.950.010		
1 mg	1375.950.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Source** *E. Coli*
- **Purity** ≥ 96 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2?m filtered solution in 20mM PB, pH 8.0, 1M NaCl*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The biological activity was determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing KGF receptors yielding an ED_{50} <10ng/ml, corresponding to a Specific Activity of 1.0×105 IU/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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 avoid repeated freeze-thaw cycles**.

Amino Acid Sequence

MCNDMTPEQM ATNVNCSSPE RHTRSYDYME GGDIRVRRLF CRTQWYLRID KRGKVKGTQE MKNNYNIMEI RTVAVGIVAI KGVESEFYLA MNKEGKLYAK KECNEDCNFK ELILENHYNT YASAKWTHNG GEMFVALNQK GIPVRGKKTK KEQKTAHFLP MAIT

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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