

Mouse KGF Recombinant Protein



RPPB0696

Product Information Protein Information

Product SKU:

RPPB0696

Accession:

P36363

Host:

Escherichia Coli.

Protein description:

Keratinocyte Growth Factor-1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 164 amino acids and having a molecular mass of 18.9 kDa. The FGF-7 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

HBGF-7, FGF7, FGF-7, KGF, Keratinocyte growth factor, Fibroblast growth factor 7, Heparin-binding growth factor 7.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution containing 20mM Phosphate buffer pH-8 and 0.1M NaCl.

Purity:

Greater than 95.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized KGF in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized KGF 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:

MCNDMSPEQT ATSVNCSSPE RHTRSYDYME GGDIVRRRLF CRTQWYLRI KRGKVKGQTQE MKNSYNIMEI
RTVAVGIVAI KGVSEYYLA MNKEGKLYAK KECNEDCNFK ELILENHNT YASAKWTHSG GEMFVALNQG
GIPVKGKKTK KEQKTAHFLP MAIT.

Biological Activity:

The ED₅₀, calculated by the dose-dependant stimulation of KGF-responsive BaF3 indicator cells (measured by 3H-thymidine uptake) is < 10ng/ml corresponding to a specific activity of 100,000 Units/mg.