

Human KGF 2 Recombinant Protein



RPPB0698

Product Information Protein Information

Product SKU:

RPPB0698

Accession:

O15520

Host:

Escherichia Coli.

Protein description:

Keratinocyte Growth Factor-2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (40-208) and having a molecular mass of 19300 Dalton. Keratinocyte Growth Factor 2 is highly related to KGF-1(FGF-7), it binds to the same receptor as KGF-1 and shares 57% sequence homology. The FGF10 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

FGFA, FGF10, FGF-10, KGF-2, Fibroblast growth factor 10.

Formulation:

Lyophilized from a 0.2um filtered concentrated (1mg/ml) solution in PBS, pH 7.4.

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 FGF-10 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Keratinocyte Growth Factor-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF10 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:

MLGQDMVSPE ATNSSSSSFS SPSSAGRHRV SRNHLQGDVR WRKLFSTKY FLKIEKNGKV SGTKKENCY
SILEITSVEI GVVAVKAINS NYLAMNKKG KLYGSKEFNN DCKLKERIEE NGYNTYASFN WQHNGRQMYV
ALNGKGAPRR GQKTRRKNTS AHFLPMVVHS.

Biological Activity:

The ED₅₀, calculated by the dose-dependant stimulation of FGF receptors by BaF3 indicator cells (measured by 3H-thymidine uptake) is < 0.5 ng/ml, corresponding to a specific activity of 2x10⁶units/mg.