

Rat KGF 2 Recombinant Protein



RPPB0701

Product Information Protein Information

Product SKU:

RPPB0701

Accession:

P70492

Host:

Escherichia Coli.

Protein description:

KGF 2 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids and having a molecular mass of 20.0kDa. The KGF 2 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 0.2µm filtered concentrated solution in 1×PBS, pH 7.4 containing 5% trehalose.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized KGF 2 Rat Recombinant in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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

QALGQDMVSP EATNSSSSSS SSSSSSFSS PSSAGRHVRS YNHLQGDVRW RKLFSFTKYF LKIEKNGKVS
GTTKENCAYS ILEITSVEIG VVAVKAINSN YYLAMNKKGK LYGSKEFNND CKLKERIEEN GYNTYASFNW
QHNGRQMYVA LNGKGAPRRG QKTRRKNTSA HFLPMVVHS

Biological Activity:

Fully biologically active when compared to standard. The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is <0.5ng/ml.