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DATA SHEET

Keratinocyte Growth Factor-2 Mouse Recombinant

Item Number	rAP-2330
Synonyms	FGFA, FGF10, FGF-10, KGF-2, Fibroblast growth factor 10.
Description	KGF 2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 173 amino acids and having a molecular mass of 19.5kDa. The KGF 2 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	O35565
Amino Acid Sequence	QALGQDMVSQ EATNCSSSSS SFSSPSSAGR HVRSYNHLQG DVRWRRLFSF TKYFLTIEKN GKVSGTKNED CPYSVLEITS VEIGVVAVKA INSNYYLAMN KKGKLYGSKE FNNDCKLKER IEENGYNTYA SFNWQHNGRQ MYVALNGKGA PRRGQKTRRK NTSAHFLPMT IQT
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2μm filtered concentrated solution in 1×PBS, pH 7.4 containing 5% trehalose. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized KGF 2 Mouse Recombinant in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only