

Keratinocyte Growth Factor Human Recombinant, HEK

Item Number	rAP-2329
Synonyms	HBGF-7, FGF7, FGF-7, KGF.
Description	KGF Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 17-30kDa due to glycosylation. The KGF is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P21781
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized KGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution KGF 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	The KGF was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized KGF in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of 4MBr-5 cells (monkey epithelial cell line) and is typically 1.5-7.5ng/ml corresponding to a Specific Activity of 133,334-666,667IU/mg.
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**