

Overview

Synonyms	Keratinocyte Growth Factor, Fibroblast Growth Factor-7, HBGF-7
Description	Keratinocyte Growth Factor (KGF) , also known as FGF-7 and HBGF-7, is a mitogen factor belonging to the heparin-binding growth factor family. It is expressed mainly by epithelial cells. KGF binds to fibroblast growth factor receptor 2b (FGFR2b) to form a dimeric complex and initiate downstream signals. KGF plays an important role in embryonic development, cell proliferation and differentiation. It has also been reported to function in kidney and lung development, angiogenesis, wound healing and tumor invasion.
Accession No	P21781
Species	Human
Source	CHO
Biological Activity	ED ₅₀ < 1 ng /ml, measured in a proliferation assay using 4MBr5 cells.
Sequence	CNDMTPEQMA TNVNCSSPER HTRSYDYMEG GDIRVRRLLFC RTQWYLRLDK RGKVKGTQEM KNNYNIMEIR TVAVGIVAIAK GVESEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHYNTRY ASAKWTHNGG EMFVALNQKG IPVRGKKTCK EQKTAHFLPM AIT

Properties

Measured Molecular Weight	16-18 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant human Keratinocyte Growth Factor(rhKGF) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Keratinocyte Growth Factor should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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