

KGF/FGF-7, Human(CHO-expressed)

Cat. No.: Z03174-25

Size: 25.0 ug

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.

Amino Acid Sequence:

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00001 CNDMTPEQMA TNVNCSSPER HTRSVDYMEG GDIRVRRLLFC
00041 RTQWYLRIDK RGKVKGTQEM KNNYNIMEIR TVAVGIVAIAK
00081 GVESEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHNTY
00121 ASAKWTHNGG EMFVALNQKG IPVRGKKTCK EQKTAHFLPM
00161 AIT
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Source: CHO

Species: Human

Biological Activity: ED₅₀ < 1 ng/ml, measured in a proliferation assay using 4MBr5 cells.

Molecular Weight: 16-18 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE and HPLC.

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.