

PRODUCT DATA SHEET



Bioworld Technology, Inc.

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

Catalog Number: BK0261-5µg

Source: CHO

Quantity: 5µg

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.

Molecular Weight:

16-18 kDa, observed by reducing SDS-PAGE.

Purity:

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

Biological Activity:

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

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

CNDMTPEQMATNVNCSSPERHTRSVDYMEGG-
DIRVRRLLFCRTQW-
YLRIDKRGKVKGTQEMKNNYNIMEIRTVAVGI-
VAIKGVESEFYLAM-
AM-
NKEGKLYAKKECNEDCNFKELILENHYN TYASA
KWITHNGGEMFVAL-
NQKGIPVRGKKTKEQKTAHFLPMAIT

Endotoxin:

< 0.2 EU/µg, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 µg/ml.

Storage:

Lyophilized recombinant human Keratinocyte Growth Factor(rhKGF) remains stable up to 6 months at -80 °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.

Usage:

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