

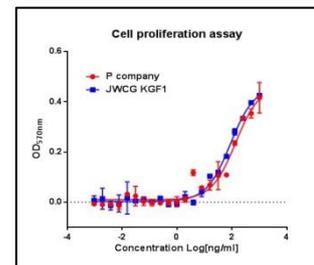
## DATA SHEET

### Product Information

<b>Product Name</b>	: <b>Recombinant Human Keratinocyte Growth Factor-1 (rhKGF-1)</b>
<b>Synonyms</b>	: Keratinocyte Growth Factor, Fibroblast Growth Factor-7, FGF7, FGF-7, HBGF-7, SDGF-3
<b>Description</b>	: KGF1(FGF7) is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis. (Ref. From Wikipedia)
<b>NCBI Accession No.</b>	: NM_002009.3
<b>Amino acid sequence</b>	: <b>MCNDMTPEQMATNVNCSSPERHTRSVDYMEGGDIRVRLFCRTQWYLRIKRGKVKGTQEMKNNYNIMEIRTVAVGIVAIKGVSEFYLAMNKEGKLYAKKECNEDCNFKELILENHNTYASAKWTHNGGEMFVALNQGKIPVRGKKTKEQKTAHFLPMAIT*</b>
<b>Molecular Mass</b>	: 18.98 kDa (164 aa)
<b>Protein Tags</b>	: No tagging
<b>Source</b>	: <i>E. coli</i> .
<b>Cat. No.</b>	: JW-H025-0010, JW-H025-0025, JW-H025-0050, JW-H025-0100, JW-H025-0250, JW-H025-0500, JW-H025-1000
<b>Storage</b>	: Should be at $\leq -70$ °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
<b>Cross Reactivity</b>	: Rat, Mouse

### Quality Control

Test items	Specifications
<b>Appearance</b>	: Clear, colorless liquid
<b>Purity</b>	: Greater than 95 % by RP-HPLC and SDS-PAGE
<b>Specificity</b>	: Using Western blot, detection
<b>Concentration</b>	: 0.1 mg/ml, Bradford method Determined by proliferation of 4Mbr-5 indicator cells.
<b>Biological Activity</b>	: The ED50 is < 10 ng/ml, corresponding to a specific activity of $\geq 1.0 \times 10^5$ U/mg
<b>Endotoxin</b>	: Less than 0.1 EU/ $\mu$ g as determined by the LAL method
<b>Formulation</b>	: PBS, 5% glycerol (pH7.4) without preservative or carrier proteins.
<b>Stability</b>	: Stable for up to 12 months at $-70$ °C. Stable for a month at 4 °C.
<b>Sterility</b>	: Sterilized through a 0.2 $\mu$ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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