

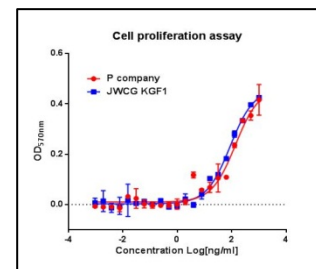
DATA SHEET

Product Information

Product Name	: Recombinant Human Fibroblast Growth Factor 7 (rhFGF7)
Synonyms	: Keratinocyte Growth Factor 7, FGF7, HBGF-7, SDGF-3
Description	: FGF7 (KGF1) 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)
NCBI Accession No.	: NM_002009.3
Amino acid sequence	: MCNDMTPEQMATNVNCSSPERHTRSVDYMEGGDIRVRRLLFCRTQWYLRLDKR GKVKGTQEMKNNYNIMEIRTVAVGIVAIAKGVSEFYLAMNKEGKLYAKKECN EDCNFKELILENHNTYASAKWTHNGGEMFVALNQKGI PVRGKKTKKEQKTA HFLPMAIT*
Molecular Mass	: 18.98 kDa (164 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: HFGF7-10, HFGF7-25, HFGF7-50, HFGF7-100, HFGF7-250, HFGF7-500, HFGF7-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Rat, Mouse

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 95 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method Determined by proliferation of 4Mbr-5 indicator cells.
Biological Activity	: The ED50 is < 10 ng/ml, corresponding to a specific activity of $\geq 1.0 \times 10^7$ units/mg
Endotoxin	: Less than 1.0 EU/ μ g as determined by the LAL method
Formulation	: PBS, 5% glycerol, pH7.4 without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



Manufacturer : **JW CreaGene Inc.**
 FL2, Jungang induspia V, 138-6, Sangdaewon-dong, Jungwon-gu, Seongnam-si,
 Gyeonggi-do, South Korea (462-120)
 Tel: 82-31-737-3310, Fax: 82-31-737-3301