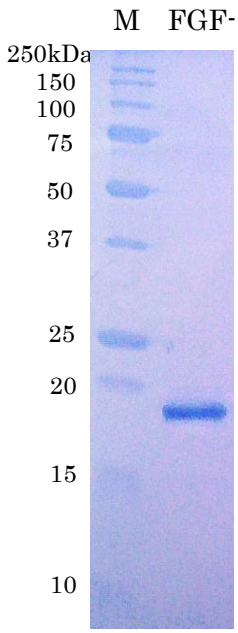
Human Keratinocyte Growth Factor (KGF/ FGF7), Functional

Product code	03-005 03-005-5
Size	50 µg 5 x 50 µg
Storage	-20˚C -80˚C (for longer storage) Avoid freeze-thaw cycles
Product Description	Recombinat functional mature KGF without signal peptide (aa 32-194 of pro-KGF) expressed in *E. coli*
Concentration	1.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	>95% as determined by SDS-PAGE (CBB staining)
Activity	The ED50 as determined by a cell proliferation assay using MTS assay kit(CellTiter 96, Promega) with human keratinocyte JCRB141 cells was < 10 ng/ml.
Application	1. Mitogen for epithelial cells 2. Western blot control for anti-FGF-7 antibodies 3. Acceleration of wound healing is implied. 4. Acceleration of hair development is implied.
Background	Keratinocyte Growth Factor, also known as Fibroblast Growth Factor 7, is a member of fibroblast growth factor (FGF) family. Although FGF-7 has heparin binding activity similar to FGF-1, its mitogenic activity is predominantly exhibited in keratinocytes. It is not effective to fibroblasts and endothelial cells.
Image	 **Fig. SDS-PGE of human KGF / FGF7**
Data Link	UniProtKB: : P21781 GeneID: 2252,
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

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References: 03-005 Keratinocyte Growth Factor (KGF/ FGF7)

Useful References

1. Rubin JS *et al.*(1989) "Purification and characterization of a newly identified growth factor specific for epithelial cells." *Proc Natl Acad Sci USA* **86**: 802-806 PMID: 2915979
2. Aaronson SA *et al.* (1991) "Keratinocyte growth factor. A fibroblast growth factor family member with unusual target cell specificity." *Ann NY Acad Sci* **638**:62-77 PMID: 1664700

Related products

03-001 human EGF

03-003 human FGF1/acidic FGF

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