Keratinocyte Growth Factor (KGF/ FGF7), human, active

03-005　50 µg,　　03-005-5　5 x 50 µ g

Shipping and Storage: Ship with blue ice or at -20℃ and store at -20℃ (One year or longer period, -80℃)

Product: Recombinat functional mature KGF without signal peptide (aa 32-194 of pro-KGF) expressed in E. coli

Applications

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.

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.

Purity: >95% as determined by SDS-PAGE (CBB staining)

Form: 1.0 mg / ml in PBS (10mM Na-phosphate, 150mM NaCl) pH7.2, 50% glycerol, filter-sterilized

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.

Data Link: UniProtKB: P21781　GeneID: 2252,

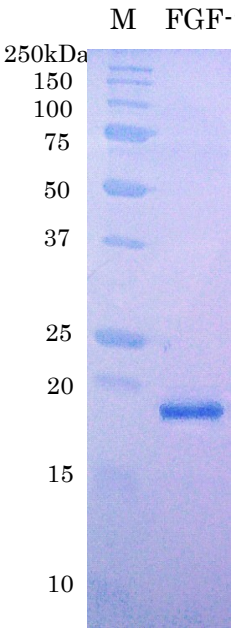

Fig. SDS-PAGE of human FGF-7

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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 FGF-1