FGF-7/KGF, Human, Recombinant

Cat. No. : PCK135

General Information

Synonyms	Fibroblast Growth Factor 7;FGF-7;Heparin-binding Growth Factor 7;HBGF-7;Keratinocyte Growth Factor;FGF7;KGF
Species	Human
Expression host	E.coli
Sequence	Cys32-Thr194
Accession	P21781
Mol mass	18.9 KDa
Expiration date	12 months
Bio activity	Measured by its ability to induce FGFRIIIc receptor activity in HEK293T human embryonic kidney cells. The ED50 for this effect is 5-25 ng/mL.

Product feature

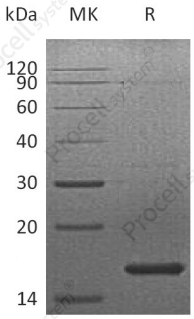
Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 1 mM EDTA, 5% Trehalose, 0.0 2% Tween 80, pH 8.0.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Fibroblast Growth Factor 7 (FGF7) is a secreted protein which is mainly located in epithelial cells and belongs to the heparin-binding Growth Factors 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. FGF7 is a potent epithelial cell-specific Growth Factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. It is possible major paracrine effector of normal epithelial cell proliferation.

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