

**FGF-7/KGF, Human, Recombinant**

Cat. No. : PCK135

**General Information**

<b>Synonyms</b>	Fibroblast Growth Factor 7;FGF-7;Heparin-binding Growth Factor 7;HBGF-7;Keratinocyte Growth Factor;FGF7;KGF
<b>Species</b>	Human
<b>Expression host</b>	E.coli
<b>Sequence</b>	Cys32-Thr194
<b>Accession</b>	P21781
<b>Mol mass</b>	18.9 KDa
<b>Expiration date</b>	12 months
<b>Bio activity</b>	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**

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin (EU/μg)</b>	< 0.1
<b>Storage</b>	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.
<b>Shipping</b>	Ice bag
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 1 mM EDTA, 5% Trehalose, 0.02% Tween 80, pH 8.0.
<b>Reconstitution</b>	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.