FGF-7/KGF (C-6His), Human, Recombinant

Cat. No. : PCK136

General Information

Synonyms	Fibroblast Growth Factor 7;FGF-7;Heparin-binding Growth Factor 7;HBGF-7;Keratinocyte Growth Factor;FGF7
Species	Human
Expression host	Human Cells
Sequence	Cys32-Thr194
Accession	P21781
Tag	C-6His
Mol mass	20.0 kDa
Expiration date	12 months
Bio activity	Measured in a cell proliferation assay using HaCaT cells. The ED50 for this effect is 10.94 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 PBS, pH 7.4.
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.