A Reliable Research Partner in Life Science and Medicine

### **Recombinant Human FGF-7/KGF Protein (His Tag)**

Catalog No. PKSH032445

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Fibroblast growth factor 7;FGF-7;Heparin-binding growth factor **Synonyms** 

7;HBGF-7;Keratinocyte growth factor;FGF7

**Species** Human

**Expression Host** HEK293 Cells **Sequence** Cys32-Thr194

P21781 Accession Calculated Molecular Weight 20.0 kDa Observed molecular weight 20-27 kDa C-His Tag

**Bioactivity** Measured in a cell proliferation assay using HaCaT cells. The ED<sub>50</sub> for this effect is

10.94 ng/ml.

# **Properties**

**Purity** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to **Storage** 

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

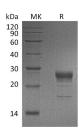
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

### Data



> 90 % as determined by reducing SDS-PAGE.

# **Background**

#### For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017 Email: techsupport@elabscience.com

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#### **Elabscience Bionovation Inc.**

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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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