

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

Catalog Number:PKSH032445



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

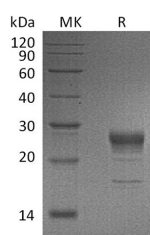
Description

Synonyms	Fibroblast growth factor 7;FGF-7;Heparin-binding growth factor 7;HBGF-7;Keratinocyte growth factor;FGF7
Species	Human
Expression Host	HEK293 Cells
Sequence	Cys32-Thr194
Accession	P21781
Calculated Molecular Weight	20.0 kDa
Observed molecular weight	20-27 kDa
Tag	C-His
Bioactivity	Measured in a cell proliferation assay using HaCaT cells. The ED ₅₀ 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.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -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



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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

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effector of normal epithelial cell proliferation.

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