



Recombinant Protein Technical Manual

Recombinant Human FGF-7/KGF Protein (Active)

RPES4063

Product Data:

Product SKU: RPES4063

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P21781

Protein Information:

Molecular Mass: 19.1 kDa

AP Molecular Mass: 23&38 kDa

Tag:

Bio-activity: Immobilized Human KGF at 2µg/ml(100 µl/well) can bind Human FGF R3-Fc(Cat: PKSH033678). The ED50 of Human KGF is 0.788 ug/ml .

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM PB,pH8.0,150mM NaCl.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Fibroblast growth factor 7;FGF-7;Heparin-binding growth factor 7;HBGF-7;Keratinocyte growth factor;FGF7;KGF

Immunogen Information:

Sequence: Cys32-Thr194

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.