

Recombinant Human FGF7 Protein

CAT. NO: R01931

Size: 100µg

Description

KGF (keratinocyte growth factor), also known as FGF-7 (fibroblast growth factor-7), is one of 22 known members. The protein encoded by this gene is a member of the fibroblast growth factor (FGF) 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. This protein is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis.

Amino Acid Sequence:

CNDMT PEQMA TNVNC SSPER HTRSY
DYMEG GDIRV RRLFC RTQWY LRIDK
RGKVK GTQEM KNNYN IMEIR TVAVG
IVAIAK GVESE FYLAM NKEGK LYAKK
ECNED CNFKE LILEN HYNTY ASAKW
THNGG EMFVA LNQKG IPVRG KKTKK
EQKTA HFLPM AIT

Source: E. coli C32- T194

Species: human

Purity: >95%, by SDS-PAGE quantitative densitometry by Coomassie® Blue Staining.

Molecular Weight: 18.9KD

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstitute in ddH₂O at 100 µg/mL.

Endotoxin: Less than 1 EU/µg of FGF7 as determined by LAL method.

Storage:

Lyophilized recombinant human FGF7 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rhFGF7 remains stable up to 2 weeks at 4°C or up to 3 months at -20°C.