

Recombinant Chicken FGF7 Protein, His tagged

Cat. No. FGF7-1900C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken FGF7 Protein with His tag was expressed in E. coli.
Species	Chicken
Source	E.coli
Description	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.
Molecular Mass	The protein has a calculated MW of 21 kDa.
AA Sequence	MGSSHHHHHSSGLVPRGSHMCNDMTPEQMATNVNCSSPERHTRSYDYMEGGD VRVRRLLFCRTQWYMRIDKRGKVKGTTREANNNYSILEIRTVAVGIVAIGVSEYFLAM NKSGRLYGKKVCNEDCNFIELIEENHYNTYASAKWTHKGKEMFVTLNHKGVPMK GK KTKKEHRASHFLPLAIS
Endotoxin	< 1 EU/μg by LAL

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Purity	> 95% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	67 µg/mL by BCA
Storage Buffer	Sterile 50 mM Tris, pH 8.0, 100 mM NaCl

GENE INFORMATION

Gene Name	FGF7 fibroblast growth factor 7 [Gallus gallus (chicken)]
Official Symbol	FGF7
Synonyms	FGF7; fibroblast growth factor 7; KGF; HBGF-7; fibroblast growth factor 7; FGF-7; heparin-binding growth factor 7; keratinocyte growth factor
Gene ID	415439
mRNA Refseq	NM_001012525
Protein Refseq	NP_001012543
UniProt ID	Q5KRA4

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