

Recombinant Human FGF7 Protein, His&GST-tagged

Cat. No. FGF7-1498H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF7 Protein (Cys32-Thr194) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys32-Thr194
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.8 kDa Accurate Molecular Mass: 48 kDa
Purity	> 97%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FGF7 fibroblast growth factor 7 [Homo sapiens (human)]
Official Symbol	FGF7
Synonyms	FGF7; fibroblast growth factor 7; fibroblast growth factor 7 (keratinocyte growth factor); keratinocyte growth factor; KGF; FGF-7; heparin-binding growth factor 7; HBGF-7;
Gene ID	2252
mRNA Refseq	NM_002009
Protein Refseq	NP_002000

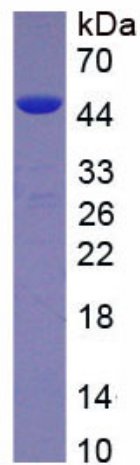
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