Recombinant Cattle FGF1 Protein, His-tagged

Cat. No. FGF1-928C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle FGF1 Protein (Pro42-Asp155) with His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Pro42-Asp155
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 functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.9 kDa; Accurate Molecular Mass: 43 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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	FGF1 fibroblast growth factor 1 [Bos taurus (cattle)]
Official Symbol	FGF1
Synonyms	FGF1; fibroblast growth factor 1; ECGF; EDGF; aFGF; FGF-1; FGF2B; HBGF-1; EDGF II; fibroblast growth factor 1; acidic eye-derived growth factor II; acidic fibroblast growth factor; endothelial cell growth factor beta and alpha chains; endothelial growth factor; fibroblast growth factor 1 (acidic); fibroblast growth factor 2B; fibroblast growth factor, acidic; heparin-binding growth factor 1; prostatropin
Gene ID	281160
mRNA Refseq	NM_174055
Protein Refseq	NP_776480

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

UniProt ID	P03968

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