

## Recombinant Cattle FGF1 Protein, His-tagged

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

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Cattle FGF1 Protein (Pro42-Asp155) with His tag was expressed in E. coli.  |
| <b>Species</b>          | Cattle   |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Pro42-Asp155   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Freeze-dried powder  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 42.9 kDa; Accurate Molecular Mass: 43 kDa  |
| <b>Purity</b>           | > 97%  |

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|-----------------------|--|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.   |
| <b>Stability</b>      | 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. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.   |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.  |
| <b>Reconstitution</b> | Reconstitute in PBS or others.   |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | FGF1 fibroblast growth factor 1 [ <i>Bos taurus</i> (cattle) ]  |
| <b>Official Symbol</b> | FGF1  |
| <b>Synonyms</b>        | 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 |
| <b>Gene ID</b>         | 281160  |
| <b>mRNA Refseq</b>     | NM_174055   |
| <b>Protein Refseq</b>  | NP_776480   |

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