

Recombinant Cattle FGF2 Protein, His-tagged

Cat. No. FGF2-2186C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle FGF2 Protein (Phe26-Ser155 (Accession # P03969)) with a N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Phe26-Ser155 (Accession # P03969)
Description	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.4 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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

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

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Purity	> 95%
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	FGF2 fibroblast growth factor 2 [Bos taurus (cattle)]
Official Symbol	FGF2
Synonyms	FGF2; fibroblast growth factor 2; BFGF; FGF-2; HBGF-2; fibroblast growth factor 2 basic fibroblast growth factor fibroblast growth factor 2 (basic) heparin-binding growth factor 2
Gene ID	281161
mRNA Refseq	NM_174056

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Protein Refseq	NP_776481
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UniProt ID	F1N3T9
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