

Recombinant Cattle IGFBP2 Protein, His-tagged

Cat. No. IGFBP2-993C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle IGFBP2 Protein (Glu34-Gln317) with His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Glu34-Gln317
Description	The protein encoded by this gene is one of six similar proteins that bind insulin-like growth factors I and II (IGF-I and IGF-II). The encoded protein can be secreted into the bloodstream, where it binds IGF-I and IGF-II with high affinity, or it can remain intracellular, interacting with many different ligands. High expression levels of this protein promote the growth of several types of tumors and may be predictive of the chances of recovery of the patient. Several transcript variants, one encoding a secreted isoform and the others encoding nonsecreted isoforms, have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.5 kDa; Accurate Molecular Mass: 35 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	IGFBP2 insulin like growth factor binding protein 2 [Bos taurus (cattle)]
Official Symbol	IGFBP2
Synonyms	IGFBP2; insulin like growth factor binding protein 2; insulin-like growth factor-binding protein 2; IBP-2; IGF-binding protein 2; IGFBP-2; insulin-like growth factor binding protein 2, 36kDa
Gene ID	282260
mRNA Refseq	NM_174555
Protein Refseq	NP_776980
UniProt ID	P13384

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