

Recombinant Bovine Insulin-Like Growth Factor Binding Protein 2, 36kDa

Cat. No. IGFBP2-1414B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant bovine IGFBP-2 produced in <i>CHO cells</i> is a 284 amino acid protein. MW = 30.776 kDa.
Species	Bovine
Source	CHO
Description	Bovine Insulin-like Growth Factor Binding Protein-2 (bIGFBP-2) is one of the six “classical” IGF binding proteins that play an important role in stabilizing and regulating the activity of IGFs in vivo. bIGFBP-2 binds both human and bovine IGF-I and IGF-II and modifies their biological activity and bioavailability. The Animal/Media Grade product contains mature bovine IGFBP-2 of correct Molecular Weight as the major species. As a result of alternative processing by the CHO cells used for the bIGFBP-2 production, three other minor bIGFBP-2 isoforms are also present: 1) One with a three amino acid C-terminal deletion, denoted Des(1-3) bIGFBP-2. 2) One with a single amino acid N-terminal extension, denoted A-bIGFBP-2. 3) One with a four amino acid N-terminal extension, denoted GARA-bIGFBP-2.
Purity	>95% by HPLC and Mass Spectrometry.
Biological Activity	IGF-I Binding Assay : ED50 < 10 nM.
State And Appearance	Lyophilized white powder dried from 0.1% TFA / 30% acetonitrile and stored under dry nitrogen at a slight vacuum (-25 kPa).

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Storage/Stability At least 2 years at 2 - 4°C (lyophilized).

GENE INFORMATION

Gene Name IGFBP2 insulin-like growth factor binding protein 2, 36kDa [Bos taurus]

Synonyms insulin-like growth factor binding protein 2, 36kDa; IGFBP2

Gene ID 282260

mRNA Refseq NM_174555

Protein Refseq NP_776980

UniProt ID P13384

**Chromosome
Location** 2

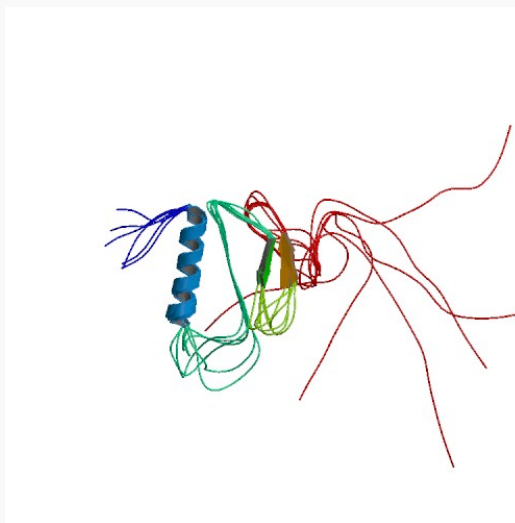
Function insulin-like growth factor I binding; insulin-like growth factor II binding

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