

Recombinant Bovine Igf1 Protein

Cat. No. Igf1-01B Lot. No. (See product label)

SPECIFICATION

Product Overview	IGF-1 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Bovine
Source	Yeast
Description	Insulin-like growth factor 1 (IGF-1), also called somatomedin C, is a primary mediator of the effects of growth hormone (GH). Growth hormone stimulates the liver to produce IGF-1. IGF-1 then stimulates systemic body growth, and has growth-promoting effects on almost every cell in the body, especially skeletal muscle, cartilage, bone, liver, kidney, nerves, skin, hematopoietic cell, and lungs. IGF-1 is highly homologous across species.
Molecular Mass	7.6 kDa
AA Sequence	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRR LEMYCAPLKPAKSA(70)
Applications	The IGF-1 endotoxin-free recombinant protein can be used in cell culture, as an ELISA Standard, and as a Western Blot Control.
References	1. Growth of rumen papillae in weaned calves is associated with lower expression of insulin-like growth factor-binding proteins 2, 3, and 6. Nishihara K, Suzuki Y, Kim D, Roh S. Anim Sci J. 2019 Sep;90(9):1287-1292. doi: 10.1111/asj.13270. Epub 2019

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GENE INFORMATION**Gene Name** IGF1 insulin like growth factor 1 [Bos taurus (cattle)]**Official Symbol** IGF1**Synonyms** IGF1; insulin like growth factor 1; IGF-1; IGF-I; insulin-like growth factor I; class 1 insulin-like growth factor I preproprotein; insulin growth factor-1; insulin-like growth factor 1 (somatomedin C); insulin-like growth factor I (somatomedin C); prepro-IGF-I; somatomedin**Gene ID** 281239**mRNA Refseq** NM_001077828**Protein Refseq** NP_001071296**UniProt ID** P07455 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