

Recombinant Cattle IL6 Protein, His-tagged

Cat. No. IL6-1051C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle IL6 Protein (Pro29-Lys208) with His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Pro29-Lys208
Description	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.7 kDa; Accurate Molecular Mass: 26 kDa
Purity	> 97%

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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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

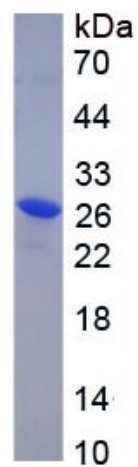
GENE INFORMATION

Gene Name	IL6 interleukin 6 [Bos taurus (cattle)]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; interleukin-6; IL-6; interleukin 6 (interferon, beta 2)
Gene ID	280826
mRNA Refseq	NM_173923
Protein Refseq	NP_776348
UniProt ID	P26892

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