

Recombinant Chicken IL10 Protein, His&GST-tagged

Cat. No. IL10-999C Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Chicken IL10 Protein (Leu22-Lys175) with His&GST tag was expressed in E. coli.

Species Chicken

Source E.coli

ProteinLength Leu22-Lys175

Description The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Form Freeze-dried powder

Molecular Mass Predicted Molecular Mass: 48.31 kDa; Accurate Molecular Mass: 48 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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

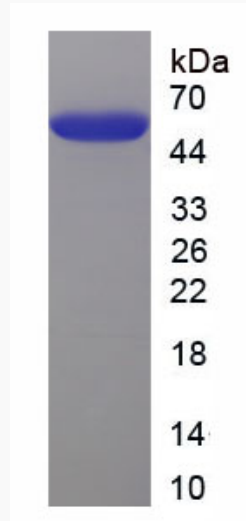
GENE INFORMATION

Gene Name	IL10 interleukin 10 [Gallus gallus (chicken)]
Official Symbol	IL10
Synonyms	IL10; interleukin 10; IL-10; interleukin-10;
Gene ID	428264
mRNA Refseq	NM_001004414
Protein Refseq	NP_001004414
UniProt ID	Q6A2H4

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