

Recombinant Chicken IL16 Protein, His-tagged

Cat. No. IL16-1007C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken IL16 Protein (Ser1183-Leu1454) with His tag was expressed in E. coli.
Species	Chicken
Source	E.coli
ProteinLength	Ser1183-Leu1454
Description	The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.7 kDa; Accurate Molecular Mass: 38 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	IL16 interleukin 16 [Gallus gallus (chicken)]
Official Symbol	IL16
Synonyms	IL16; interleukin 16; interleukin-16; pro-interleukin-16; interleukin 16 (lymphocyte chemoattractant factor)
Gene ID	374270
mRNA Refseq	NM_001277996
Protein Refseq	NP_001264925
UniProt ID	Q70XC4

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