

## Active Recombinant Chicken Interleukin 10

Cat. No. IL10-246C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Chicken IL-10 was expressed in Yeast. MW= 18.3 kDa (154 aa).
<b>Species</b>	Chicken
<b>Source</b>	Yeast
<b>Description</b>	Interleukin-10 is produced by murine T-cells following their stimulation by lectins. The main source for B-cell-derived Interleukin-10 in mice is Ly-1 B-cells that express CD5 and CD11. Murine keratinocytes also produce IL10.
<b>Formulation/ Reconstitution</b>	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
<b>Purification</b>	Ion-exchange chromatography.
<b>Purity</b>	>95% as visualized by SDS-PAGE analysis.
<b>Amino Acid Sequence</b>	LEPTCLHFSE LLPARLRELK VKFEEIKDYF QSRDDELNIQ LLSSELLDKF KGTFGCQSVS EMLRFYTDEV LPRAMQTSTS HQQSMGDLGN MLLGLKATMR RCHRFFTCEK RSKAIKQIKE TFEKMDENGI YKAMGEFDIF INYIEEYLLM RRRK.
<b>Bioactivity</b>	The biological activity of recombinant chicken IL-10 was determined by measuring IFN-gamma expression by RTPCR in Concanavalin A-stimulated chicken spleen lymphocytes. Results demonstrate decreased IFN-gamma gene expression, with the addition of recombinant chicken IL-10, in a dose-dependant manner, with doses

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starting at 2 ng/mL.

**Stability And Storage**

Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

## GENE INFORMATION

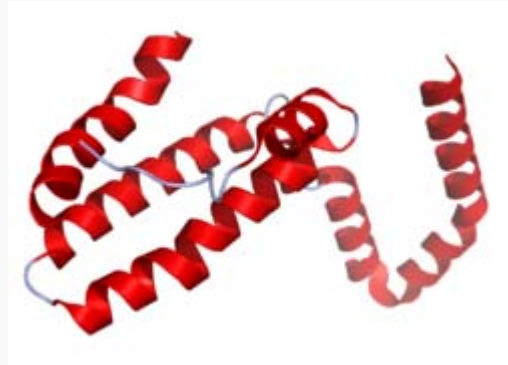
<b>Gene Name</b>	IL10 interleukin 10 [ Gallus gallus ]
<b>Synonyms</b>	interleukin 10; IL-10; IL10; interleukin-10
<b>Gene ID</b>	428264
<b>mRNA Refseq</b>	NM_001004414.2
<b>Protein Refseq</b>	NP_001004414.2
<b>UniProt ID</b>	Q6A2H4
<b>Chromosome Location</b>	26
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Intestinal immune network for IgA production; Jak-STAT signaling pathway
<b>Function</b>	cytokine activity; protein binding

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