Recombinant Chicken Interleukin 4

Cat. No. IL4-250C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken IL-4 was expressed in *Yeast.* MW= 12.4 kDa (111 aa).
Species	Chicken
Source	Yeast
Description	Interleukin 4 is a pleiotropic cytokine produced by activated T cells, mast cells, and basophils. It was initially identified as a B cell differentiation factor (BCDF), as well as a B cell stimulatory factor (BSF1). Subsequent to the molecular cloning and expression of both human and mouse IL-4, numerous other functions have been described on B cells as well as other hematopoietic and nonhematopoietic cells, including T lymphocytes, monocytes, macrophages, mast cells, myeloid and erythroid progenitors, fibroblasts, endothelial cells, etc. IL-4 exhibits anti-tumor effects both in vivo and in vitro.
Formulation/ Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purification	Ion-exchange chromatography.
Purity	>85% as visualized by SDS-PAGE analysis.
Amino Acid Sequence	LQLSVPLMES IRIVNDIQGE VSCVKMNVTD IFADNKTNNK TELLCKASTI VWESQHCHKN LQGLFLNMRQ LLNASSTSLK APCPTAAGNT TSMEKFLADL RTFFHQLAKN K.

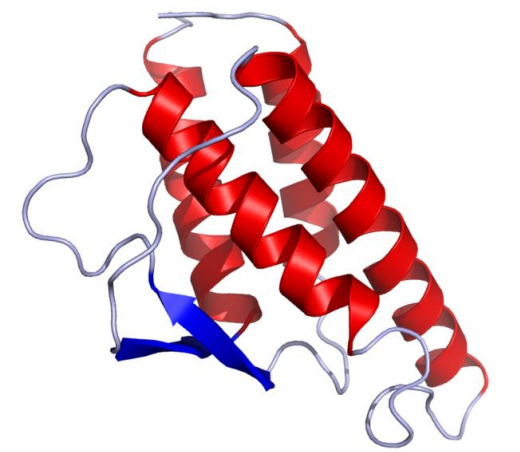
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Bioactivity	In testing.
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

Gene Name	IL4 interleukin 4 [Gallus gallus]
Synonyms	interleukin 4; IL4
Gene ID	416330
mRNA Refseq	NM_001007079.1
Protein Refseq	NP_001007080.1
Chromosome Location	13
Pathway	Cytokine-cytokine receptor interaction; Intestinal immune network for IgA production; Jak-STAT signaling pathway
Function	growth factor activity; interleukin-4 receptor binding

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Crystal structure of human IL-4(2INT)	

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