

## Recombinant Chicken Interleukin 1, Beta

Cat. No. IL1B-589C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Chicken IL1B is a 23 kDa protein and was expressed in E. coli.
<b>Species</b>	Chicken
<b>Source</b>	E.coli
<b>Description</b>	IL1B is a pro-inflammatory cytokine secreted by many different cell types which acts upon a wide range of target cells, resulting in a diverse range of effects. The biological properties of IL1B include the induction of B cell proliferation, stimulation of T cell proliferation in conjunction with IL-2 and the production of collagenase and prostaglandin by fibroblasts. IL1B is also responsible for triggering the acute-phase response in the liver, and is involved in both cytokine network and vascular endothelium activation.
<b>Form</b>	Purified His-tagged recombinant protein expressed in E.coli - liquid.
<b>Application</b>	Functional Assays; In vitro Assay
<b>Preparation</b>	Recombinant protein prepared from E.coli.
<b>Molecular Weight</b>	approximately 23kD
<b>Purity</b>	> 85% by Nickelate Chromatography
<b>Concentration</b>	250 ug/ml

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**Storage**

Store at -20oC only. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

**Gene Name**

IL1B interleukin 1, beta [ Gallusgallus ]

**Official Symbol**

IL1B

**Synonyms**

IL1B; interleukin 1,beta; IL1beta; IL-1BETA; interleukin-1 beta; IL-1 beta

**Gene ID**

395196

**mRNA Refseq**

NM\_204524

**Protein Refseq**

NP\_989855

**Chromosome  
Location**

22

**Pathway**

Apoptosis;Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway; Herpes simplex infection; Influenza A; MAPK signaling pathway; Myometrial Relaxation and Contraction Pathways; NOD-like receptor signaling pathway; Salmonella infection; Toll-like receptor signaling pathway

**Function**

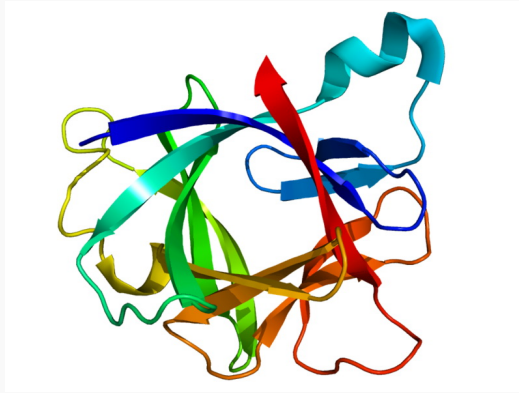
cytokine activity; interleukin-1 receptor binding; protein domain specific binding

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