

Recombinant Chicken Interleukin 1, Beta

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

SPECIFICATION

Product Overview	Recombinant Chicken IL1B is a 23 kDa protein and was expressed in E. coli.
Species	Chicken
Source	E.coli
Description	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.
Form	Purified His-tagged recombinant protein expressed in E.coli - liquid.
Application	Functional Assays; In vitro Assay
Preparation	Recombinant protein prepared from E.coli.
Molecular Weight	approximately 23kD
Purity	> 85% by Nickelate Chromatography
Concentration	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

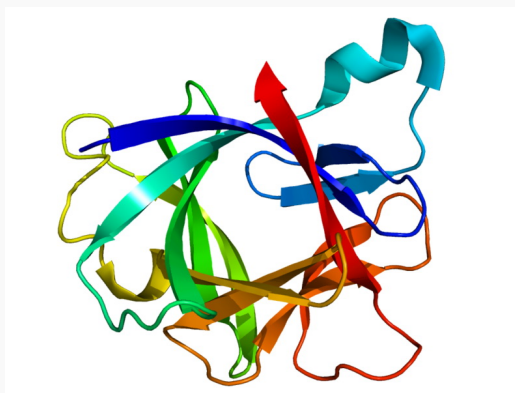
Function cytokine activity; interleukin-1 receptor binding; protein domain specific binding

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