

# Recombinant Feline Interleukin 1, Beta

**Cat. No.** IL1B-259F    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Feline IL-1 beta was expressed in Yeast. MW= 17.4 kDa (152 aa).
<b>Species</b>	Feline
<b>Source</b>	Yeast
<b>Description</b>	IL-1 beta is a proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1 alpha and IL-1 beta binds to the same receptor and has similar if not identical biological properties. These cytokines have a broad range of activities including, stimulation of thymocyte proliferation, by inducing IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity and the ability to stimulate the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1 beta is a secreted cytokine, IL-1 alpha is predominantly a cell-associated cytokine.
<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>	AAIQSQDYTF RDISQKSLVL SGSYELRALH LNGQNMNQV VFRMSFVHGE ENSKKIPVVL CIKKNLYLS CVMKDGKPTL QLEMLDPKVY PKKKMEKRFV FNKTEIKGNV EFESSQFPNW YISTSQAEEM PVFLGNTKGG QDITDFIMES AS.

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**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** IL1B interleukin 1, beta [ Felis catus ]

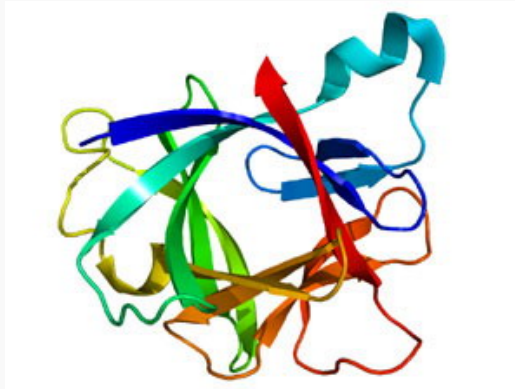
**Synonyms** interleukin 1, beta; IL1B; IL-1 beta; interleukin-1 beta; interleukin-beta

**Gene ID** 768274

**mRNA Refseq** NM\_001077414.1

**Protein Refseq** NP\_001070882.1

**PDB rendering based on 31bi.**



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