

Recombinant Feline Interleukin 1, Beta

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

SPECIFICATION

Product Overview	Recombinant Feline IL-1 beta was expressed in Yeast. MW= 17.4 kDa (152 aa).
Species	Feline
Source	Yeast
Description	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.
Formulation/ Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purification	Ion-exchange chromatography.
Purity	>95% as visualized by SDS-PAGE analysis.
Amino Acid Sequence	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

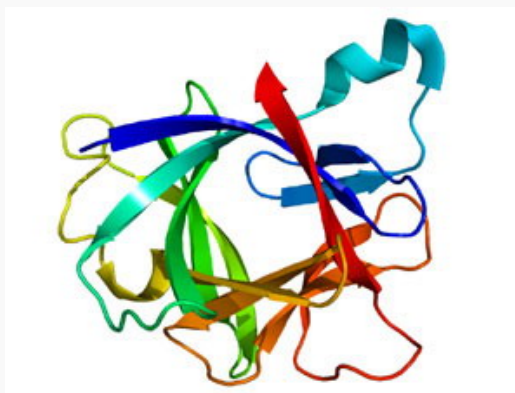
mRNA Refseq

NM_001077414.1

Protein Refseq

NP_001070882.1

PDB rendering based
on 31bi.



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