

Recombinant *Cavia porcellus* IL-1B

Catalog No: CG97

Description	Recombinant <i>Cavia porcellus</i> Interleukin-1 Beta is produced by our E.coli expression system and the target gene encoding Thr115-Ser266 is expressed with a 6His tag at the C-terminus.
Source	E. coli
Alternative name	Interleukin-1 beta; IL-1 beta; IL1B
Accession No.	Q9WVG1
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	MTPVPSRNCTLHDIQHKRLVLSDPCELKALHLNGDNLNRQVVFMSFVQGERSDNKMPVALGLKGKNL YLSCVMKDGKPVVLQLESVDGKQYPKKKMEKRFVFNKITSKSTVEFESAQFPNWWYISTSQAEHKPVFLG NNGQDIIDFKLELVSSHHHHH
Background	Interleukin-1 beta (IL1B) belongs to the IL-1 family. Interleukin 1 (IL-1) is a family of polypeptide cytokines consisting of two agonists, IL-1 alpha (IL-1F1) and IL-1 beta (IL-1F2) encoded by two distinct genes and perform identical biological functions. IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response. It is identified as endogenous pyrogens, and is reported to stimulate the release of prostaglandin and collagenase from synovial cells.

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