

IL-1 β rabbit-FC recombinant protein

Catalog No :	YD3122
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	IL-1 β
Protein Name :	Interleukin-1 beta (IL-1 beta) (Catabolin)
Sequence :	Amino acid:117-269,with rabbit FC tag.
Human Gene Id :	3553
Human Swiss Prot No :	P01584
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Background :	<p>interleukin 1 beta(IL1B) Homo sapiens The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq, Jul 2008],</p>
Function :	<p>domain:The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function.,function:Produced by activated macrophages, 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, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.,online information:Interleukin-1 entry,online</p>

information: The Singapore human mutation and polymorphism database, similarity: Belongs to the IL-1 family., subcellular location: The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins., subunit: Mono

Expression : Expressed in activated monocytes/macrophages (at protein level).

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