

Recombinant Human IL1B Protein

Cat. No. IL1B-69H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interleukin-1 beta is produced by our E.coli expression system and the target gene encoding Ala117-Ser269 is expressed.
Species	Human
Source	E.coli
ProteinLength	Ala117-Ser269
Description	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.
Form	Lyophilized from a 0.2 um filtered solution of 20mM PB,150mM NaCl, pH7.4.
AA Sequence	MAPVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFMSFVQGEESN DKIPVALGLKEK NLYLSCVLKDDKPTLQ LESVDPKNYPKKKMEKRFVFNKIEINNKLE FESAQFPNWWYISTSQAENMPVFLGGTKGGQDITDFTMQ FVSS
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

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Purity	>95%
Storage	<p>Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p>
Quality Statement	Purity: Greater than 95% as determined by reducing SDS-PAGE.
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

GENE INFORMATION

Gene Name	IL1B interleukin 1 beta [Homo sapiens (human)]
Official Symbol	IL1B
Synonyms	Interleukin-1 beta; Catabolin; IL1F2; IL1B; IL-1; IL1beta; IL1-BETA
Gene ID	3553
mRNA Refseq	NM_000576.3
Protein Refseq	NP_000567.1
MIM	147720
UniProt ID	P01584

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