



Recombinant Human IL-1b

Catalog #	EPT039
Expression Host	E.coli
DESCRIPTION	Recombinant Human Interleukin-1 Beta is produced by our E.coli expression system and the target gene encoding Ala117-Ser269 is expressed.
Accession	P01584
Synonyms	Interleukin-1 beta; Catabolin; IL1F2; IL1B
Mol Mass	17.5 KDa
AP Mol Mass	17 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.001 ng/μg (0.01 EU/μg) as determined by LAL test.
FORMULATION	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
RECONSTITUTION	
SHIPPING	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature





STORAGE

listed below.

Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt.

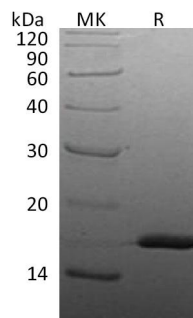
Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

BACKGROUND

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.

SDS-PAGE





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