



# Recombinant Rabbit Interleukin-1 beta (IL1B)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP011614RB-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P14628  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Oryctolagus cuniculus (Rabbit)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | AVRS LHCRLQDAQQ KSLVLSGTYE LKALHLNAEN LNQQVVFMSMS<br>FVQGEESNDK IPVALGLRGK NLYLSCVMKD DKPTLQLESV DPNRYPKKKM<br>EKRFVFNKIE IKDKLEFESA QFPNWIYSTS QTEYMPVFLG NNSGGQDLID<br>FSMEFVSS   |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | IL1B  |
| <b>Protein Names</b>     | Recommended name: Interleukin-1 beta Short name= IL-1 beta Alternative name(s): Lymphocyte proliferation-potentiating factor  |
| <b>Expression Region</b> | 117-268   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | This protein 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. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |