

Recombinant human IL-1 beta (Active, Tag free)

- Cat. Number:** ck0001
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 117-269aa, Tag free, full length mature protein
- Swiss-Prot:** P01584
- Gene ID:** 3553
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** 18-25kDa
- Endotoxin Level:** <0.5EU/ug
- Formulation:** Lyophilized from a 0.2µm filtered solution in PBS without carrier protein
Animal and Xeno free
- Activity Assay:** The activity was measured by its ability to stimulate the proliferation of the proliferation of mouse D10S cells.
- Reconstitution:** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.
- Stability & Storage:** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -80 °C under sterile conditions after reconstitution.
- Description:** IL-1 includes two pleiotropic cytokines, IL-1α and IL-1β. Both IL-1α and IL-1β bind to the same receptor and have similar, if not identical, biological properties. IL-1β is a proinflammatory cytokine produced in a variety of cells, including monocytes, tissue macrophages, keratinocytes, and other epithelial cells. These cytokines have a broad range of activities including the stimulation of thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.