

# Recombinant Human IL-1 beta/IL1B Protein (pro form, His Tag)

RPES0237

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES0237

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Contents:** 100µg, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** Please contact us for more information.

**Synonyms:** IL1F, IL-1F, pro IL1F, IL-1, IL1-BETA, IL1F2, IL1 beta, IL1B, catabolin, IL-1B, pro Catabolin, pro IL1B, pro IL1F2, pro leukocytic endogenous mediator, pro leukocytic pyrogen, pro lymphocyte activating factor, pro mononuclear cell factor, IL-1F2, IL 1B, IL-1 beta

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** N-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** E.coli

**Bio-Activity:** Immobilized human IL1B at 10 µg/mL (100 µl/well) can bind human IL1R1. The EC<sub>50</sub> of human IL1R1 is 0.198 µg/mL.

**Calculated MW:** 32.3 kDa

**Formulation:** Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 34 kDa

**Reconstitution:** Please refer to the printed manual for detailed information. Immobilized human IL1B at 10 µg/mL (100 µl/well) can bind human IL1R1. The EC<sub>50</sub> of human IL1R1 is 0.198 µg/mL.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Accession:** NP\_000567.1

**Source:** E.coli-derived Human IL-1 protein Met 1-Ser 269(Glu6Lys), with an N-terminal His

**Sequence:** Met 1-Ser 269(Glu6Lys)

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.