

# Recombinant Mouse IL-1 $\beta$ Protein(His Tag)

RPES9521

## 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:** RPES9521

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Contents:** 100 $\mu$ g, 20 $\mu$ g, 500 $\mu$ g, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 1.0 EU/mg of the protein as determined by the LAL method

**Synonyms:** Interleukin-1 beta, Catabolin, Lymphocyte-activating factor

**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:** C-His

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

**Expression Host:** HEK293 Cells

**Bio-Activity:** Not validated for activity

**Calculated MW:** 16.6 kDa

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Observed MW:** 17 kDa

**Reconstitution:** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

**Accession:** P10749

**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

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

**Source:** HEK293 Cells-derived Mouse IL-1 $\beta$  protein Val118-Ser269, with an C-terminal His

**Sequence:** Val118-Ser269

**Form:** Lyophilized powder

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