

Recombinant Rat IL-1 beta/IL1B Protein (mature form)

RPES3892

Description

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

SKU: RPES3892

Purity: > 98 % as determined by reducing SDS-PAGE.

Contents: 100µg, 20µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Rat

Endotoxin: Please contact us for more information.

Synonyms: IL1F, catabolin, IL-1b, IL1-BETA, IL-1beta, IL1F2, Il1b, Interleukin-1 beta, 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: None

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

Expression Host: E.coli

Bio-Activity: 1. Measured in a cell proliferation assay using D10.G4. 1 mouse helper T cells. The ED 50 for this effect is typically 30-120 pg/mL. 2. Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The EC50 for this effect is typically 20-100ng/mL.

Calculated MW: 17.4 kDa

Formulation: Lyophilized from sterile 40mM Tris, 0.15 M NaCl, pH 7.8 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: 35 kDa

Reconstitution: Please refer to the printed manual for detailed information.

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

Accession: Q63264-1

Source: E.coli-derived Rat IL-1 protein Val 117-Ser 268

Sequence: Val 117-Ser 268

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.