

Recombinant Human IL-1 beta/IL1B Protein

RPES2145

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: RPES2145

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

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

Concentration: -

Species: Human

Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

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: C-His

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

Expression Host: E.coli

Bio-Activity: Measure by its ability to induce IL-8 secretion in HT29 cells. The ED50 for this effect is <2.0 ng/mL. The specific activity of recombinant human IL-1 beta is approximately >5 x 10⁷ IU/mg.

Calculated MW: 18.5 kDa

Formulation: Lyophilized from sterile PBS,pH 8.0. 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: 17 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: P01584

Source: E.coli-derived Human IL-1 beta, IL1B protein Ala117-Ser269, with an C-terminal His

Sequence: Ala117-Ser269

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.