

Recombinant Human IL-1A/IL-1 α Protein

RPES4390

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: RPES4390

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

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

Concentration: -

Species: Human

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

Synonyms: IL1F, IL1A, IL-1A, IL1, IL1-ALPHA, IL1F1, BAF, FAF, Hematopoietin 1, Hematopoietin-1, IL 1 alpha, IL 1A, IL1 ALPHA, IL-1 alpha, IL1-A, Interleukin 1 alpha, Interleukin1 alpha, Interleukin-1 alpha, LAF, LEM, Preinterleukin 1 alpha, Pro interleukin 1 alpha, Pro-Interleukin-1-Alpha

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 D10.G4.1 cells proliferation. The ED50 for this effect is <10 pg/mL. The specific activity of recombinant human IL-1 alpha is approximately >1x10⁸IU/ mg.

Calculated MW: 19 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: P01583

Source: E.coli-derived Human IL-1A/IL-1 α protein Ser113-Ala271, with an C-terminal His

Sequence: Ser113-Ala271

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.