

Recombinant Mouse IL-1A/IL-1α Protein

RPES1705

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: RPES1705

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

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

Concentration: -

Species: Mouse

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

Synonyms: Hematopoietin, IL1F, Hematopoietin-1, IL1, IL1-A, IL1F1, IL-1[±], Preinterleukin 1 Alpha, Pro-Interleukin-1-Alpha, IL-1a, Interleukin-1 alpha, IL-1 alpha, IL1a

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 <5 pg/mL. The specific activity of recombinant mouse IL-1 alpha is > 2 x 10⁸ IU/mg.

Calculated MW: 18.9 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: 20 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: P01582

Source: E.coli-derived Mouse IL-1A/IL-1 α protein Ser115-Ser270 , with an C-terminal His

Sequence: Ser115-Ser270

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.