

Recombinant Mouse Interleukin-4/IL-4 Protein

RPES1983

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: RPES1983

Purity: > 98 % 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: Interleukin, B-cell growth factor, B-cell stimulatory factor, Lymphocyte stimulatory factor, BCGF1, BSF-1, B-cell growth factor 1, B-cell IgG differentiation factor, B-cell stimulatory factor 1, BCGF-1, BSF1, IGG1 induction factor, Interleukin-4, Lymphocyte stimulatory factor 1, Il-4, Il4

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 HT-2 cells proliferation. The ED50 for this effect is <1 ng/mL. The specific activity of recombinant mouse IL-4 is approximately >1 x 10⁶ IU/mg.

Calculated MW: 14.5 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: 14 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: P07750

Source: E.coli-derived Mouse Interleukin-4/IL-4 protein His 21-Ser 140, with an C-terminal His

Sequence: His 21-Ser 140

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.