

Recombinant Human Interleukin-4/IL-4 Protein

RPES3551

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: RPES3551

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

Contents: 50µg, 10µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 0.01 EU per µg of the protein as determined by the LAL method.

Synonyms: Interleukin, B-cell growth factor, BSF, IL4, BCGF-1, BCGF1, BSF-1, BSF1, IL-4, B-cell growth factor 1, B-cell IgG differentiation factor, B-cell stimulatory factor 1, Binetrakin, IGG1 induction factor, Interleukin-4, Lymphocyte stimulatory factor 1, Pitrakinra

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: HEK293 Cells

Bio-Activity: Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED 50 for this effect is 0.01-0.05 ng/ml.

Calculated MW: 15.0 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 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: 18 kDa

Reconstitution: Please refer to the printed manual for detailed information. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The

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

ED50 for this effect is 0.01-0.05 ng/ml. Loaded Cynomolgus IL-4RA-His(RPES3353) on HIS1K Biosensor, can bind Human IL-4(RPES3551) with an affinity constant of 0.33 nM as determined in BLI assay.

Accession: P05112

Source: HEK293 Cells-derived Human Interleukin-4/IL-4 protein His25-Ser153

Sequence: His25-Ser153

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.