

Recombinant Mouse Interleukin-2/IL-2 Protein

RPES1396

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: RPES1396

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

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

Concentration: -

Species: Mouse

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

Synonyms: POIL, OTTHUMP, Aldesleukin, IL 2, Interleukin 2, Involved in regulation of T cell clonal expansion, Lymphokine, OTTHUMP00000164090, POIL2, T Cell Growth Factor, T-cell growth factor, Interleukin-2, IL2, TCGF, T-cell growth factor, Il-2

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: E.coli

Bio-Activity: Measured in a cell proliferation assay using CTLL- 2 mouse cytotoxic T cells. The specific activity of Recombinant Mouse IL-2 is $\geq 1 \times 10^7$ IU/mg.

Calculated MW: 17.4 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Sodium Citrate, 0.2% Tween 80, pH 3.0. 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. Measured in a cell proliferation assay using CTLL- 2 mouse cytotoxic T cells. The

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

specific activity of Recombinant Mouse IL-2 is $\geq 1 \times 10^7$ IU/mg. Loaded Human IL-2RA-Fc(RPES1153) on Protein A Biosensor, can bind Mouse IL-2(RPES1396) with an affinity constant of 0.17 μ M as determined in BLI assay.

Accession: P04351

Source: E.coli-derived Mouse Interleukin-2/IL-2 protein Ala21-Gln169

Sequence: Ala21-Gln169

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.