



Recombinant Protein Technical Manual
Recombinant Mouse IL-2RG/CD132 Protein (His Tag)
RPES1339

Product Data:

Product SKU: RPES1339

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q3UPA9

Protein Information:

Molecular Mass: 29 kDa

AP Molecular Mass: 50-75 kDa

Tag: C-His

Bio-activity:

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

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, PH8.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Interleukin 2 receptor; gamma chain; isoform CRA_b; Il2rg; CIDX; IL-2 Ry

Immunogen Information:

Sequence: Ser25-Ala263

Background:

The Interleukin-2 receptor gamma chain (IL-2 R γ , CD132) of the high affinity functional mouse IL-2 receptor complex is a member the hematopoietin receptor family. It is expressed on most lymphocyte (white blood cell) populations, and its gene is found on the X-chromosome of mammals. Common IL2 receptor- γ Chain is required for IL-2 receptor signaling. Besides IL-2, the Common IL2 receptor- γ chain has been shown to be a component of the functional receptor complexes for IL-4, IL-7, IL-9 and IL5. It is a component of multiple cytokine receptors that are essential for lymphocyte development and function. Common IL2 receptor- γ Chain is also designated the common gamma chain.