



Recombinant Protein Technical Manual

Recombinant Human IL2 p40/IL2B Protein

RPES1328

Product Data:

Product SKU: RPES1328

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P29460

Protein Information:

Molecular Mass: 34.6 kDa

AP Molecular Mass: 40-47 kDa

Tag:

Bio-activity:

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

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

Storage: 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.

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

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

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

Application:

Synonyms: Interleukin2 subunit beta; IL2B; Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40; IL2 subunit p40; NK cell stimulatory factor chain 2; NKSF2; IL12B; NKSF2

Immunogen Information:

Sequence: Ile23-Ser328

Background:

Interleukin2 subunit beta (IL2B) belongs to the type I cytokine receptor family. It contains 1 fibronectin type-III domain and 1 Ig-like C2-type domain. IL2B is a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. IL2 is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor encoded by IL12B and a 35 kD subunit encoded by IL12A. IL12 is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. It has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen.