



Recombinant Protein Technical Manual

Recombinant Human IL17B/IL7B Protein (Fc Tag)

RPES1691

Product Data:

Product SKU: RPES1691

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9UHF5

Protein Information:

Molecular Mass: 45.1 kDa

AP Molecular Mass: 48 kDa

Tag: C-Fc

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 PB, 150mM NaCl, pH 7.4.

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

Application:

Synonyms: IL7B;IL-20;NIRF;ZCYTO7

Immunogen Information:

Sequence: Gln21-Phe180

Background:

Interleukin7B (IL7B) is a member of IL7 cytokines family that plays important roles in host defence responses and inflammatory diseases. In addition to IL7B, members of the IL7 family include IL7A, IL7C, IL7D, IL7E and IL7F. The six IL7 cytokines are highly conserved at C terminus, and contain five spatially conserved cysteine residues that mediate dimerization. Expression of IL7B protein has been reported in neurons, testis, ovary, stomach, pancreas, small intestine and chondrocytes. IL7B binds to Interleukine7 receptor B (IL7 RB) and induces the production of inflammatory cytokines and the infiltration of inflammatory immune cells.