



Recombinant Protein Technical Manual

Recombinant Human IL17RA Protein (Fc Tag)(Active)

RPES3390

Product Data:

Product SKU: RPES3390

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: NP_055154.3

Protein Information:

Molecular Mass: 60.6 kDa

AP Molecular Mass: 9020 kDa

Tag: C-Fc

Bio-activity: Measured by its ability to inhibit IL7-induced IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 2000 ng/ml.

Purity: > 90 % 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: CD127;CDW127;IL7R;IL7R-alpha;IL7RA;ILRA; IL7RA; IL7 R alpha; Interleukin7 receptor A

Immunogen Information:

Sequence: Leu33-Trp320

Background:

Interleukin 17A (IL17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The transmembrane protein encoded by this gene (interleukin 17A receptor; IL17RA) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors, this receptor likely has a multimeric structure.