



Recombinant Protein Technical Manual

Recombinant Human IL7RA/CD127 Protein (Fc & His Tag)

RPES1320

Product Data:

Product SKU: RPES1320

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P16871

Protein Information:

Molecular Mass: 52.8 kDa

AP Molecular Mass: 75 kDa

Tag: C-FC-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 PBS, pH7.4.

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

Application:

Synonyms: CD127;CDW127;IL-7R;IL-7R-alpha;IL7RA;ILRA;Interleukin-7 receptor subunit alpha;IL7R

Immunogen Information:

Sequence: Glu21-Gly236

Background:

Interleukin 7 Receptor alpha (IL-7R α), also known as CD127, is a 75 kDa hematopoietin receptor superfamily member that plays an important role in lymphocyte differentiation, proliferation, and survival. IL-7R α is majorly expressed on T cells and their precursors, and early in B cell development as well, prior to the appearance of surface IgM. Dynamic regulation of IL-7R α is important for the generation of appropriate immune responses.