



Recombinant Protein Technical Manual

Recombinant Human IL-21R Protein (His Tag)

RPES2794

Product Data:

Product SKU: RPES2794

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9HBE5

Protein Information:

Molecular Mass: 26.0 kDa

AP Molecular Mass: 46 kDa

Tag: C-6His

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 20mM PB,150mM NaCl, pH 7.4.

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

Application:

Synonyms: Interleukin-21 receptor;IL-21 receptor; IL-21R; CD360.

Immunogen Information:

Sequence: Cys20-Pro236

Background:

Interleukin-21 receptor is also known as IL-21 receptor, IL-21R, CD360. In humans, it is encoded by the IL21R gene. It belongs to the type I cytokine receptor family. Type 4 subfamily contains 2 fibronectin type-III domains. Interleukin-21 receptor is selectively expressed in lymphoid tissues and highly expressed in thymus and spleen. IL-21 is produced by CD4+ T cells in response to antigenic stimulation. Its action enhances antigen-specific responses of immune cells. The biological effects of IL-21 include induction of differentiation of T-cells-stimulated B-cells into plasma cells and memory B-cells. It also promotes the anti-tumor activity of CD8+ T-cells and NK cells.