



Recombinant Protein Technical Manual
Recombinant Human Interleukin-21/IL-21 Protein
(Active)
RPES2209

Product Data:

Product SKU: RPES2209

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9HBE4

Protein Information:

Molecular Mass: 15.6 kDa

AP Molecular Mass: 16 kDa

Tag:

Bio-activity: Immobilized Human IL-21 at 10µg/ml(100 µl/well) can bind Human IL-2RG-Fc(Cat: PKSH033410).

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,pH7.2.

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

Application: Functional ELISA

Synonyms: Interleukin-21;IL-21; Za11; IL21

Immunogen Information:

Sequence: Gln23-Ser155

Background:

IL-21 induces the production of IgG1 and IgG3 in B-cells. IL-21 may promote the transition between innate and adaptive immunity. IL-21 may have a role in proliferation and maturation of natural killer cells in synergy with IL15. IL-21 stimulates interferon gamma production in T-cells and natural killer cells by synergy with IL15 and IL18. Dysregulation of IL-21 has a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases.