Recombinant Human IL-21

Catalog No.: RP0023

Basic Information

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Source E.coli

Recombinant Human Interleukin-21 is produced by our E.coli expression system and

the target gene encoding Gln30-Ser162 is expressed.

Accession Q9HBE4

Known As Interleukin-21; IL-21; Za11; IL21

Predicted Mol Mass 15.6 KDa

Apparent Mol Mass 16 KDa, reducing conditions

Properties

Shipping

Formulation Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Lyophilized protein should be stored at \leq -20°C, stable for one year after receipt.

Storage Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at \leq -20°C for 3 months.

Endotoxin $< 0.01 \text{ EU/}\mu\text{g}$ as determined by LAL test.

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

ReconstitutionIt is not recommended to reconstitute to a concentration less than 100μg/ml.

Dissolve the lyophilized protein in distilled water.

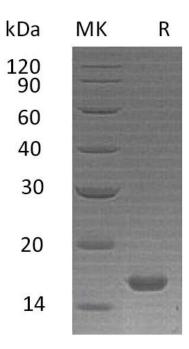
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Experimental Data

Purity-SDS-PAGE



Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

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.