

IL-21 Protein, Mouse, Recombinant (His & Avi), Biotinylated

General Information

Synonyms: Interleukin-21;IL-21;Za11;CVID11

Protein Construction: His18-Ser146

Species: Mouse

Expression Host: E. coli

Accession: Q9ES17

Molecular Weight: 17.9 kDa (predicted) same as Tris-Bis PAGE result.

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 95% as determined by Tris-Bis PAGE

Endotoxin: < 1 EU/μg by the LAL method.

Formulation: Supplied as 0.22 μm filtered solution in 20 mM NaAc, 150 mM NaCl (pH 5.5).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Shipping:

Shipping with blue ice.

Protein Background

Interleukin-21 (IL-21), produced predominantly by CD4 T cells and natural killer T (NKT) cells, is a newly discovered member of the common γ-chain family of cytokines. It has been implicated in many immunological processes and has been linked to autoimmune diseases, allergies and other inflammatory diseases.

Reference

Sim GC, Radvanyi L. The IL-2 cytokine family in cancer immunotherapy. Cytokine Growth Factor Rev. 2014 Aug;25(4):377-90. doi: 10.1016/j.cytogfr.2014.07.018. Epub 2014 Aug PMID: 25200249.

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