

Data Sheet: CellGro®
Recombinant Human Interleukin-21 (rh IL-21)
Preclinical Grade - Order No.: 1419-010 / 1419-050

Source	A DNA sequence encoding the native IL-21 protein was expressed in <i>E. coli</i>
Production	Final manufacturing steps and QC are performed in a GMP facility
Molecular mass	The methionyl form of the <i>E. coli</i> expressed mature human IL-21 contains 132 amino acid residues and has a molecular mass of 15.4 kDa
Purity	≥ 95%, as determined by SDS-PAGE
Endotoxin level	≤ 25 EU/mg, as determined by LAL gel clot test
Activity	≥ 0.5x10 ⁶ U/mg calibrated against the internal standard "IL-21 RS1" Measured in a cell proliferation assay using a human factor-dependent cell line, B9
Sterility	Sterility test of the vial product (direct inoculation)
Formulation	Lyophilized from a 0.2 µm-filtered solution containing 15 mM Na-acetate and 45 mM NaCl
Mass per vial	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm
Transport	Ambient temperature
Storage at	-20°C or below. Avoid repeated freeze-thaw cycles
Expiry	3 years from date of shipment

本品は研究用試薬です。治療および診断目的にはご使用できません。

Manufacturer

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