

Data Sheet: CellGro[®] / CellGenix[™]
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	Terminal 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	< 1000 EU/mg, as determined by LAL gel clot test
Activity	≥ 5x10 ⁶ U/mg calibrated with 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 protein solution containing 50mM sodium acetate and 150 mM NaCl
Amount per vial	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm using formulation buffer as reference
Transport	Ambient temperature
Storage at	-20°C or below. Avoid repeated freeze-thaw cycles
Shelf life	Minimum 6 months from date of shipment
Intended use	For preclinical ex vivo use. Not intended for therapeutic use.

Manufacturer

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