



Data Sheet: CellGro® / CellGenix™
Recombinant Human Interleukin 15 (IL-15)
ex vivo grade - Order No.: 1013

Source	A DNA sequence encoding the mature IL-15 protein was expressed in <i>E. coli</i>
Raw Material Statement	Produced without the use of animal derived components (ADCF)
Production	Produced under GMP conditions
Molecular Mass	The methionyl form of the <i>E. coli</i> expressed mature human IL-15 contains 121 amino acid residues (including an N-terminal His6-tag) and has a molecular mass of 13.7 kDa
Identity	Confirmed by DNA-sequencing of the expression plasmid in EOP-cells, and N-terminal sequencing of the final product
Purity	≥ 97%, as determined by SDS-PAGE (under reducing and non-reducing conditions) and visualized by Coomassie staining
Endotoxin Level	< 0.1 ng per 1 µg (< 1000 EU/mg), as determined by LAL gel clot test according to Eur.Pharm.; typically < 0.01 ng per 1 µg (< 100 EU/mg)
Residual Host-Cell DNA	≤ 200 ng per 1 mg, as determined by a fluorimetric assay
Activity	Measured in a cell proliferation assay using an IL-15-dependent cell line, CTLL-2 ED50 is typically 0.05 – 0.2 ng/ml (3×10^7 – 0.75×10^7 IU/mg) calibrated with the 1 st International Standard NIBSC, # 95/554
Sterility	Sterility test according to Eur.Pharm. of the vialled product (direct inoculation)
Formulation	Lyophilized from a 250 µg/ml, 0.2µm-sterile-filtered solution in PBS (300 mM NaCl) + 0,1% Tween 20
Amount per Vial	50 ± 5 µg, as determined by spectrophotometrical measurement at 280 nm using PBS as reference ($A_{280} = 0.52$ for a concentration of 1 mg/ml IL-15 in PBS/Tween)
Transport	Ambient temperature
Storage at	-20°C to -80°C. Avoid repeated freeze-thaw cycles
Shelf life	2 years from date of production Minimum 6 months from date of shipping
Intended Use	For research or clinical ex vivo cell culture use only. Not intended for human in vivo application.

Manufacturer
CellGenix Technologie Transfer GmbH
Am Flughafen 16 – 79108 Freiburg – Germany
Tel: +49 761 88889 – 0
Fax: +49 761 88889 – 830
www.cellgenix.com - info@cellgenix.com