



**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	n.a.
Production	Produced on the basis of Good Manufacturing Practice (GMP)
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 approximately 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 Silver 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 ( $3 \times 10^7$ – $0,75 \times 10^7$ IU/mg) calibrated with the 1 <sup>st</sup> 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	<b>For research or clinical ex vivo cell culture use only.</b> <b>Not intended for human in vivo application.</b>

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