

Data Sheet**Recombinant Human Interleukin-15 (rh IL-15)**

Preclinical Grade - Order No.: 1413-010 / 1413-050

Source	A DNA sequence encoding the mature IL-15 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-15 contains 121 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 13.7 kDa
Purity	≥ 95%, as determined by SDS-PAGE
Endotoxin level	≤ 25 EU/mg, as determined by LAL gel clot test
Activity	≥ 8 x 10 ⁶ IU/mg calibrated against the 1 st International Standard NIBSC, # 95/554 Measured in a cell proliferation assay using an IL-15-dependent cell line, CTLL-2
Sterility	Sterility test of the vialled product (direct inoculation)
Formulation	Lyophilized from a 0.2 µm-filtered solution containing 20 mM K ₂ HPO ₄ , 300 mM NaCl, and 0.1% Tween 20
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
Shelf life	3 years from date of shipment

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Manufacturer

CellGenix GmbH
Am Flughafen 16 | 79108 Freiburg | Germany
Tel. +49 761 88889-0 | Fax +49 761 88889-830
www.cellgenix.com | info@cellgenix.com

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