

Data Sheet**Recombinant Human Interleukin-2 (rh IL-2)****Preclinical Grade - Order No.: 1420-010 / 1420-050**

Source	A DNA sequence encoding human IL-2 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 human IL-2 [des-alanyl-1, serine 125] contains 139 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 16.3 kDa
Purity	≥ 95%, as determined by SDS-PAGE and HPLC
Endotoxin level	≤ 25 EU/mg, as determined by LAL gel clot test
Activity	≥ 8 x10 ⁶ IU/mg Measured in a cell proliferation assay using a human factor-dependent cell line, CTLL-2, calibrated against a secondary standard
Sterility	Sterility test of the vialled product (direct inoculation)
Formulation	Lyophilized from a 0.2 µm-filtered solution containing 25mM Na-acetate and 50mM 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
Shelf life	3 years from date of shipment

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Manufacturer

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