

Data Sheet
Recombinant Human Interleukin-3 (rh IL-3)
Preclinical Grade - Order No.: 1402-010 / 1402-050

Source	A DNA sequence encoding a natural IL-3 variant carrying Serine at position 9 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-3 variant contains 134 amino acid residues and has a molecular mass of 15.2 kDa
Purity	≥ 95%, as determined by SDS-PAGE
Endotoxin level	< 1000 EU/mg, as determined by LAL gel clot test
Activity	≥ 0.9 × 10 ⁶ IU/mg calibrated against the 1 st International Standard NIBSC, # 91/510 Measured in a cell proliferation assay using a human factor-dependent cell line, TF-1
Sterility	Sterility test of the vialled product (direct inoculation)
Formulation	Lyophilized from a 0.2 µm -filtered solution containing 10 mM Na-phosphate and 50 mM NaCl
Mass 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	3 years from date of shipment

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Manufacturer

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