

**Data Sheet****Recombinant Human Interleukin-7 (rh IL-7)****Preclinical Grade - Order No.: 1410-010 / 1410-050**

<b>Source</b>	A DNA sequence encoding the mature IL-7 protein was expressed in <i>E. coli</i>
<b>Production</b>	Final manufacturing steps and QC are performed in a GMP facility
<b>Molecular mass</b>	The methionyl form of the <i>E. coli</i> expressed mature human IL-7 contains 159 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 18.3 kDa
<b>Purity</b>	≥ 95%, as determined by SDS-PAGE
<b>Endotoxin level</b>	≤ 25 EU/mg, as determined by LAL gel clot test
<b>Activity</b>	≥ 5 × 10 <sup>7</sup> IU/mg calibrated against the 1 <sup>st</sup> International Standard NIBSC, # 90/530  Measured in a cell proliferation assay using an IL-7-dependent cell line, IxN/2b
<b>Sterility</b>	Sterility test of the vial product (direct inoculation)
<b>Formulation</b>	Lyophilized from a 0.2 µm-filtered solution
<b>Mass per vial</b>	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm
<b>Transport</b>	Ambient temperature
<b>Storage at</b>	-20°C or below. Avoid repeated freeze-thaw cycles
<b>Shelf life</b>	3 years from date of shipment

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**Manufacturer**

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