

Data Sheet**Recombinant Human Interleukin-10 (rh IL-10)****Preclinical Grade - Order No.: 1414-010 / 1414-050**

Source	A DNA sequence encoding the mature IL-10 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-10 contains 167 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 20 kDa
Purity	≥ 95%, as determined by SDS-PAGE
Endotoxin level	< 1000 EU/mg, as determined by LAL gel clot test
Activity	≥ 2.5 × 10 ⁶ IU/mg, calibrated against the 1 st International Standard NIBSC, # 93/722 Measured in a cell proliferation assay using an IL-10 sensitive cell line, MC/9
Sterility	Sterility test of the vial product (direct inoculation)
Formulation	Lyophilized from a 0.2 µm-filtered solution in PBS
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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