

CERTIFICATE OF ANALYSIS

Product name:	Recombinant Human Interleukin-7 (rHuIL-7)
Catalog:	AC52387
Size :	100 µg
Lot:	1032230624
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 17.5 kDa, a single non-glycosylated polypeptide chain containing 152 amino acids.
Description:	Accession # P13232.1, Asp26-His177, with an N terminal Met.
SDS-PAGE:	17 kDa, reducing conditions.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute to a concentration of 0.1-1 mg/mL in sterile distilled H₂O . Stock solutions should be apportioned into working aliquots and stored at -20 °C to -70 °C. Further dilutions should be made in appropriate buffered solutions. Do not reconstitute in cell culture media directly.
Shipping:	The product is shipped at 2 °C to 8 °C. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. A minimum of 12 months from date of shipping when stored at -20 °C to -70 °C as supplied. 4 weeks at 2 °C to 8 °C under sterile conditions after reconstitution. 4 months at -20 °C to -70 °C under sterile conditions after reconstitution.

Quality control assays		
Test	Standard	Result
Endotoxin	< 0.1EU/µg	Pass
Purity	> 95%	Pass
Sterility	Negative	Pass
Biological Activity-ELISA	Immobilized Recombinant Human IL-7(Catalog # AC52387) at 0.2µg/well can bind Human IL-7 R alpha with a linear range of 2877 to 4834 ng/mL.	Pass
Biological Activity-Cell based assay	Recombinant Human IL-7 (Catalog # AC52387) stimulates proliferation of PHA-P-activated human peripheral blood mononuclear cell (PBMC). The EC50 for this effect is 2.363 to 3.177 ng/mL.	Pass

This product lot has passed Acnovia's QC testing.



For research use only.