

CERTIFICATE OF ANALYSIS

Product name	Recombinant Human Interleukin-7 (rHuIL-7)
Catalog	GMP-AC52387
Size	100 µg
Lot	G1032230701
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.

Quality control assays

Test	Method	Standard	Result
Physical appearance	Visual method	White powder	Pass
Endotoxin	LAL method	< 0.01 EU/µg	Pass
Purity	SDS-PAGE	> 95%	Pass
	RP-HPLC	> 95%	Pass
Sterility	Direct inoculation method	Negative	Pass
Bioactivity	ELISA (EC50)	< 1.5 µg/mL	0.784 µg/mL
	Cell based assay	>1.0x10 ⁸ IU/mg	1.18x10 ¹⁰ IU/mg
Host Cell Protein	ELISA	< 0.5 ng/µg	0.06 ng/µg
Host Cell DNA	qPCR	< 0.0015 ng/µg	0.00043 ng/µg
Kanamycin	ELISA	Negative	Pass

This product lot has passed Acnovia's QC testing.



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