

Certificate of Analysis

Product Name	Recombinant Human IL-1A (E.coli-expressed)	Batch No.	20241023
Cat. No.	Y01921H	Storage Conditions	≤-20℃
Manufacturing Date	2024.10.23	Expiration Date	2027.10.23
Testing Basis	Specification for Recombinant Human IL-1A		
Testing Parameters	Quality Specification	Testing Result	Result Judgment
Appearance	White powder, Clear colorless liquid after resolution	White powder, Clear colorless liquid after resolution	Compliance
pH	7.0 - 8.0	7.3	Compliance
Protein Concentration	9.0 - 11.0 μg	10.3 μg	Compliance
Hydration	≤2.5%	1.5%	Compliance
Purity (SDS-PAGE)	≥95.0%	97.9%	Compliance
Relative Bioactivity	The relative biological activity should be 70%-130% comparison to standard reference	104%	Compliance



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Testing Parameters	Quality Specification	Testing Result	Result Judgment
Bacterial Endotoxin	≤100.0 EU/mg	≤100.0 EU/mg	Compliance
Sterility Test	Compliance	Compliance	Compliance
Conclusion	Compliance		



Reported by / Date: Xiao qing Liu 2024.11.11

Checked by / Date: Jing Wang 2024.11.11

Approved by QA / Date: Yan ning Zhou 2024.11.11

