

CERTIFICATE OF ANALYSIS

Provinase™

Endonuclease from *Serratia marcescens*

For R&D and bio-manufacturing applications

Storage: -20°C

Name of Product: PROVINASE		Cat. No.:	PB-01-100KU
Batch No.	B1DS00123	Date of Release	05-01-2023
Mfg. Date	01-2023	STP Number	STP015.00
Exp. Date	12-2024	Page No.	1 of 1

No.	Test	Specification	Results
1	Appearance	Clear and transparent solution	Complies
2	Specific activity (Absorbance at 260 nm)	>250 U/μl	380 U/μl
3	Purity SDS-PAGE silver staining	≥99%	Complies
4	Protease activity. Protease detection method	No protease activity should be detectable	Complies
5	Endotoxin	< 0.25 EU/1kU	Complies
6	Total microbial count (TAMC/TYMC)	TAMC: < 5 CFU/ml TYMC: < 5 CFU/ml	Absent Absent

- Recombinant *Serratia marcescens* endonuclease is produced by fermentation in *E. coli*.
- Manufacturing process uses animal component free raw materials.
- Provinase™ is supplied in liquid form with ingredients: 50% Glycerol (v/v), 20 mM Tris-HCl, 20 mM NaCl, 2 mM MgCl₂, pH 8.0 to 8.5.
- Not recommended to store Provinase™ at -70 °C or below.
- Provinase™ is a protein product prone to microbial contamination and hence, should always be handled under aseptic conditions.

REMARKS: The Product Complies / ~~Does Not Comply~~ as per specification No. SPEC015.00

	Prepared by	Reviewed by	Approved by
Name	Akanksha	P. Sri Lakshmi	Srikanth
Department	Quality Control	Quality Assurance	Quality Assurance
Designation	Executive	Assistant Manager	Head Quality
Sign & Date	<i>Akanksha</i> 05-01-2023	<i>P. Sri Lakshmi</i> 05-01-2023	<i>Srikanth</i> 05-01-2023