



## DENARASE, 1 MU, 5 MU

**Product Specification** 

Art. No.: 20804-1M, 20804-5M

## Version 1.3, valid as of February 28, 2020

Recombinant *Serratia marcescens* endonuclease produced by microbial fermentation with *Bacillus* sp. The production strain employed in the manufacturing of the product is a Genetically Modified Organism (GMO) of safety level S1. The enzyme is supplied as liquid and formulated in 20 mM Tris-HCl pH 8.2, 20 mM NaCl, 2 mM MgCl<sub>2</sub>, 50 % glycerol (v/v).

The product is produced and filled under GMP conditions acc. to EU GMP regulations.

Parameter	Method	Specification
Appearance	visual	Clear, transparent solution
Activity	photometric <sup>1</sup>	> 250 U/µl
Purity	Protein purity determine by SDS-PAGE and silver s	
Specific Activity	Activity per protein cont mined photometrically a with a molar extinction of of 44,600 L x mol <sup>-1</sup> x cm <sup>-1</sup>	at 280 nm coefficient
Protease activity	Protease detection assay	No protease activity detectable
Endotoxin level	LAL-Test acc. to Ph. Eur. 2.6.14, Me	< 0.25 EU/kU ethod C
Total microbial count	TAMC/TYMC acc. to Ph. Eur. 2.6.12	Aerobic bacteria: < 5 cfu/200 μl Yeast/moulds: < 5 cfu/200 μl
Storage: Stability: BSE / TSE / Animal derived	Store at -20 °C. Stable within specification range for a period of at least 24 months from the date of product release under proper storage conditions. <b>naterial:</b> The manufacturing process is free of materials with TSE/BSE risk and of raw materi- als from animal origin.	
GMO-Statement: Antibiotics:	The product is free	gin. e of the production strain. used in the manufacturing process.

<sup>1</sup> Unit-Definition: One unit (U) will digest salmon sperm DNA to acid-soluble oligonucleotides equivalent to a  $\Delta$ A260nm of 1.0 in 30 min at pH 8.0 at 37 °C.

c-LEcta GmbH, Perlickstraße 5, 04103 Leipzig, Germany Phone +49 341 355 214-0 / Fax -33 c-LEcta.com / contact@c-LEcta.com Geschäftsführer (managing directors) Dr. Marc Struhalla, Thomas Pfaadt USt-IdNr. (VAT ID No.) DE234875039 Handelsreg. (commercial reg.) Leipzig, HRB 20561 Kontoverbindung (bank account) Sparkasse Leipzig IBAN DE02 8605 5592 1100 5507 27 BIC WELADE8LXXX