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Serratia Marcescens Nuclease (86-076)

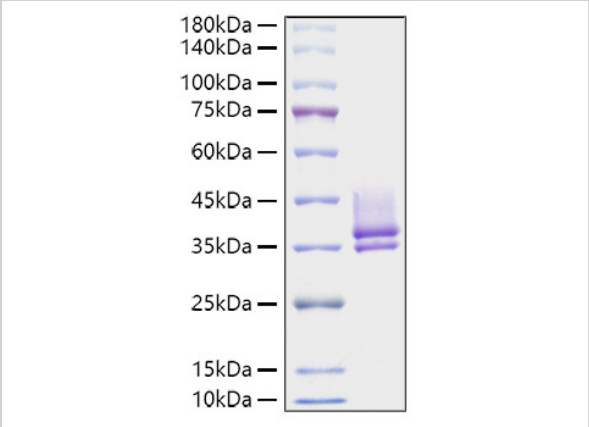
CATALOG NUMBER: 86-076

Specifications

Species	Serratia marcescens
Source Species	Pichia
Fusion Tag	No tag
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	26.71 kDa
Biological Activity	1.One unit (U) is defined as the amount of enzyme required to change the absorption value of △A260 by 1.0 (equivalent to complete digestion of 37 μg of salmon essence DNA into oligonucleotides) in 30 min at 37°C, pH 8.0 reaction conditions. The specific activity of Serratia marcescens nuclease is > 1000 U/μL. 2.Recombinant Serratia marcescens Nuclease (0.1U) can effectively degrade 5 μg plasmid DNA at 37°C for 30 min. The reaction buffer is: 10 mM MgCl2, 0.1 mg/mL BSA, 50 mM Tris-HCl, pH8.5.

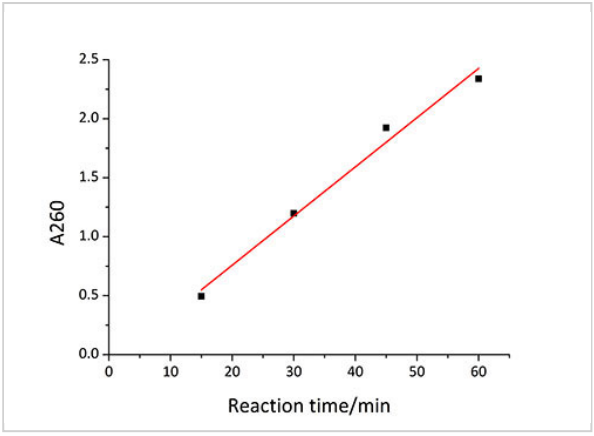
Properties

Purity	≥ 95 % as determined by SDS-PAGE.
Physical State	Lyophilized
Buffer	Solution in 50% glycerol containing 20 mM Tris HCl, pH 8.0, 2 mM $MgCl_2$, and 20 mM NaCl.
Storage Conditions	Store at -70°C.This product is stable at ≤ -20°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.



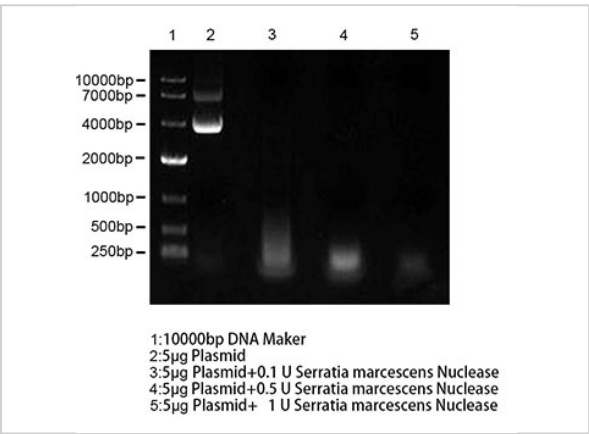
86-076_1

Recombinant Serratia marcescens Nuclease was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



86-076_2

One unit (U) is defined as the amount of enzyme required to change the absorption value of △A260 by 1.0 (equivalent to complete digestion of 37 μg of salmon essence DNA into oligonucleotides) in 30...



86-076_3

Recombinant Serratia marcescens Nuclease (0.1U) can effectively degrade 5 μg plasmid DNA at 37°C for 30 min. The reaction buffer is: 10 mM MgCl2, 0.1 mg/mL BSA, 50 mM Tris-HCl, pH8.5.

Disclaimer

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