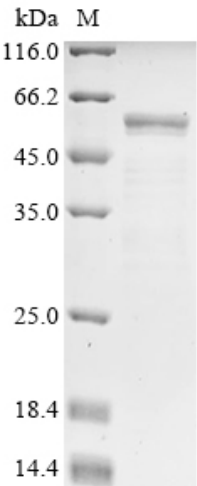


Datasheet

Product Name	Recombinant <i>Serratia marcescens</i> Serralysin
Catalog Number	MBS1238038
Expression host	<i>E.coli</i>
Product Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Storage Buffer	PBS, pH 7.4, 50% glycerol
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Naturally present in the silkworm intestine and allows the emerging moth to dissolve its cocoon.
AA sequence	AATTGYDAVDDLLHYHERGNGIQINGKDSFSNEQAGLFITRENQTWNGYKVF GQPVKLTFSFPDYKFSSTNVAGDTGLSKFSAEQQQAKLSLQSWADVANITFT EVAAGQKANITFGNYSQDRPGHYDYGTQAYAFNPNTIWQQQDLGGQWYN VNQSNVKHPATEDYGRQFTTHEIGHALGLSHPGDYNAGEGNPTYRDVTYAE DTRQFSLMSYWSETNTGGDNGGHYAAAPLLDDIAAIQHLYGANLSTRTGDTV YGFNSNTGRDFLSTTSNSQKVIFAAWDAGGNDTFDFSGYTANQRINLNEKSFS DVGGLKGNVSIAGVTIENAIGGSGNDVIVGNAANNVLKGGAGNDVLFGGG GADELWGGAGKDIFVFS AASDSAPGASDWIRDFQKGIDKIDLSFFNKEAQSSD FIHFVDHFSGAAGEALLSYNASNNVTDLSVNIGGHQAPDFLVKIVGQVDVAT DFIV
References	"Cloning and sequencing of <i>Serratia</i> protease gene." Nakahama K., Yoshimura K., Marumoto R., Kikuchi M., Lee I.S., Hase T., Matsubara H. Nucleic Acids Res. 14:5843-5855(1986)

Certificate of Analysis

Product Name	Recombinant <i>Serratia marcescens</i> Serralysin	
Catalog Number	MBS1238038	
Expression host	<i>E.coli</i>	
Product Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged	
Buffer	PBS, pH 7.4, 50% glycerol	
Batch Number	YA05063k1g5	
Nature	Serratia marcescens Serralysin-(AA 17-487)- P07268 -Full Length of Mature Protein	
Purification	Affinity purified using IMAC	
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt
	Long term	-20 to -80 °C, six months from the date of receipt
Form	Liquid	
Date of detection	2022.03.21	
Test Items	Specifications	Results
Appearance	Clear Solution	pass
Concentration	0.1-5 mg/ml, by the Bradford Method.	0.5 mg/ml
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	
Molecular Weight	Predicted band size: 59.3 kDa	

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	Not done
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass

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