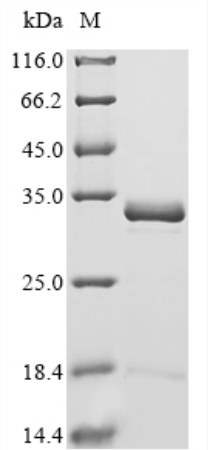


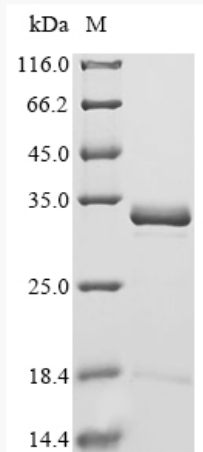
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Datasheet

Product Name	Recombinant Enterobacteria phage T4 Recombination protein uvsY(uvsY)
Catalog Number	AAA18553
Expression host	<i>E.coli</i>
Product Info	N-terminal 6xHis-SUMO-tagged
Storage Buffer	0.2 µm sterile filtered 50 mM Tris-HCl, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, pH 7.5, 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	Plays a role in viral DNA synthesis by promoting enzymatic activities of UvsX recombinase, by promoting UvsX-ssDNA filament assembly, and by helping UvsX to displace bound gp32 from ssDNA.
AA sequence	MRLEDLQEELKKDVFIDSTKLQYEAANNVMLYSKWLNKHSSIKKEMLRIEAQ KKVALKARLDYYSGRGDGDEFMSMDRYEKSEMKTVLSADKDV LKVDTS LQY WGILLDFCSGALDAIKSRGFAIKHIQDMRAFEAGK
References	"Structure and mechanism of the phage T4 recombination mediator protein UvsY." Gajewski S., Waddell M.B., Vaithiyalingam S., Nourse A., Li Z., Woetzel N., Alexander N., Meiler J., White S.W. Proc. Natl. Acad. Sci. U.S.A. 113:3275-3280(2016)

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Certificate of Analysis

Product Name	Recombinant Enterobacteria phage T4 Recombination protein uvsY(uvsY)		
Catalog Number	AAA18553		
Expression host	E.coli		
Product Info	N-terminal 6xHis-SUMO-tagged		
Buffer	0.2 μm sterile filtered 50 mM Tris-HCl, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, pH 7.5, 50% glycerol		
Batch Number	YC04599a7g5		
Nature	Enterobacteria phage T4 uvsY-(AA 1-137)- P04537 -Full Length		
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	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 31.8 kDa		Observed band size: 34 kDa



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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	<p>Lyophilized protein has been sterile filtered prior to lyophilization.</p> <p>However, the lyophilization process could potentially compromise sterility and please follow the instruction below if customers need a sterile filtered protein.</p> <p>Please sterile filter reconstituted lyophilized proteins with a 0.22µm filter in a clean bench (or other sterile environment) after reconstitution.</p> <p>Customers could use it as reference.</p>
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass