Datasheet

Product Name	Recombinant Enterobacteria phage T4 Recombination and repair protein(UVSX)
Catalog Number	**AAA18647**
Expression host	*E.coli*
Product Info	N-terminal 6xHis-SUMO-tagged
Storage Buffer	0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 50% glycerol
Storage	Store at -20℃, for extended storage, conserve at -20℃ or -80℃.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.
Relevance	Important in genetic recombination, DNA repair, and replication. Possesses pairing and strand-transfer activity. Interacts with dda and gene 32 proteins.
AA sequence	MSDLKSRLIKASTSKLTAELTASKFFNEKDVVRTKIPMMNIALSGEITGGMQS GLLILAGPSKSFKSNFGLTMVSSYMRQYPDAVCLFYDSEFGITPAYLRSMGVD PERVIHTPVQSLEQLRIDMVNQLDAIERGEKVVVFIDSLGNLASKKETEDALN EKVVSDMTRAKTMKSLFRIVTPYFSTKNIPCIAINHTYETQEMFSKTVMGGGT GPMYSADTVFIIGKRQIKDGSDLQGYQFVLNVEKSRTVKEKSKFFIDVKFDGG IDPYSGLLDMALELGFVVKPKNGWYAREFLDEETGEMIREEKSWRAKDTNCT TFWGPLFKHQPFRDAIKRAYQLGAIDSNEIVEAEVDELINSKVEKFKSPESKSK SAADLETDLEQLSDMEEFNE
References	"Sequence of the T4 recombination gene, uvsX, and its comparison with that of the recA gene of Escherichia coli." Fujisawa H., Yonesaki T., Minagawa T. Nucleic Acids Res. 13:7473-7481(1985)

Certificate of Analysis

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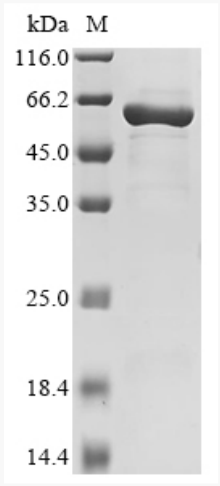
Batch Number	YC03906a1g5		
Nature	Enterobacteria phage T4 UVSX-(AA 1-391)-**P04529**-Full Length		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, six months from the date of receipt	
Form	Liquid		
Date of detection	2022.01.12		
Test Items	**Specifications**		**Results**
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		0.4 mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 60.0 kDa		Observed band size: 64 kDa

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	0.2 μm sterile filtered
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass