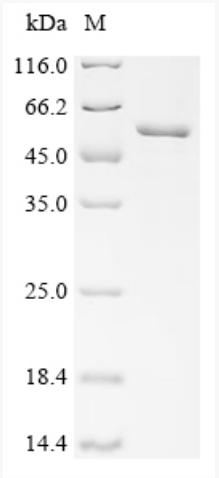
for research use only

Certificate of Analysis

Product Name	Recombinant Escherichia coli Type 1 fimbrin D-mannose specific adhesin (fimH)		
Catalog Number	**AAA18545**		
Expression host	*E.coli*		
Tag Info	N-terminal 6xHis-GST-tagged		
Buffer	0.2 μ m sterile filtered10mM Tris-HCl,1mM EDTA,pH8.0,50% glycerol		
Batch Number	YD04569b1g5		
Nature	Escherichia coli fimH-(AA 22-300)-**P08191**-Full Length of Mature Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 ℃, one week from the date of receipt	
	Long term	-20 to -80 ℃, six months from the date of receipt	
Form	Liquid		
Date of detection	2024.07.02		
Test Items	**Specifications**		**Results**
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the BCA Method.		0.39 mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 59.1 kDa		Observed band size: 59 kDa

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	0.2 μ m sterile filtered	
Endotoxin Level	<1.0 EU per 1μg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	

Datasheet

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Buffer	0.2 μ m sterile filtered 10mM Tris-HCl,1mM EDTA,pH8.0,50% 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	Involved in regulation of length and mediation of adhesion of type 1 fimbriae (but not necessary for the production of fimbriae). Adhesin responsible for the binding to D-mannose. It is laterally positioned at intervals in the structure of the type 1 fimbriae. In order to integrate FimH in the fimbriae FimF and FimG are needed.
AA sequence	FACKTANGTAIPIGGGSANVYVNLAPVVNVGQNLVVDLSTQIFCHNDYPETITD YVTLQRGSAYGGVLSNFSGTVKYSGSSYPFPTTSETPRVVYNSRTDKPWPVALY LTPVSSAGGVAIKAGSLIAVLILRQTNNYNSDDFQFVWNIYANNDVVVPTGGCD VSARDVTVTLPDYPGSVPIPLTVYCAKSQNLGYYLSGTTADAGNSIFTNTASFSP AQGVGVQLTRNGTIIPANNTVSLGAVGTSAVSLGLTANYARTGGQVTAGNVQS IIGVTFVYQ