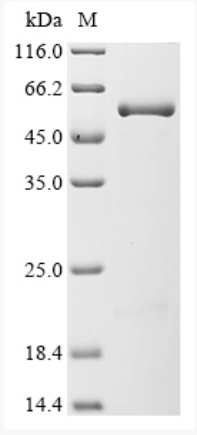
Datasheet

Product Name	Recombinant Penaeus monodon Arginine kinase(AK)
Catalog Number	**AAA18652**
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	ATP + L-arginine = ADP + N(omega)-phospho-L-arginine.
AA sequence	ADAAVIEKLEAGFKKLEAATDCKSLLKKYLSKAVFDQLKEKKTSLGATLLDV IQSGVENLDSGVGIYAPDAEAYTLFSPLFDPIIEDYHVGFKQTDKHPNKDFGDV NTFVNVDPEGKYVISTRVRCGRSMEGYPFNPCLTEAQYKEMEAKVSSTLSSLE GELKGTYYPLTGMSKEVQQKLIDDHFLFKEGDRFLQAANACRYWPAGRGIY HNDNKTFLVWVNEEDHLRIISMQMGGDLGQVFRRLTSAVNEIEKRIPFSHHDR LGFLTFCPTNLGTTVRASVHIKLPKLAANREKLEEVAGKYNLQVRGTRGEHT EAEGGIYDISNKRRMGLTEFQAVKEMQDGILELIKMEKEM
References	"Proteomics and immunological analysis of a novel shrimp allergen, Pen m 2." Yu C.J., Lin Y.F., Chiang B.L., Chow L.P. J. Immunol. 170:445-453(2003)

Certificate of Analysis

Product Name	Recombinant Penaeus monodon Arginine kinase(AK)		
Catalog Number	**AAA18652**		
Expression host	*E.coli*		
Product Info	N-terminal 6xHis-SUMO-tagged		
Buffer	0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 50% glycerol		
Batch Number	YD03894a1g5		
Nature	Penaeus monodon AK-(AA 2-356)-**C7E3T4**-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	2021.10.11		
Test Items	**Specifications**		**Results**
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		1 mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		94%
Molecular Weight	Predicted band size: 56.0 kDa		Observed band size: 56 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	<1.0 EU per 1μg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	