Datasheet

Product Name	Recombinant Acinetobacter baumannii Outer membrane protein Omp38(omp38)
Catalog Number	**AAA18619**
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	Porin. Induces apoptosis in human cells through caspases-dependent and AIF-dependent pathways. Purified Omp38 enters the cells and localizes to the mitochondria, which leads to a release of proapoptotic molecules such as cytochrome c and AIF (apoptosis-inducing factor).
AA sequence	ANAGVTVTPLLLGYTFQDSQHNNGGKDGNLTNGPELQDDLFVGAALGIELTP WLGFEAEYNQVKGDVDGASAGAEYKQKQINGNFYVTSDLITKNYDSKIKPY VLLGAGHYKYDFDGVNRGTRGTSEEGTLGNAGVGAFWRLNDALSLRTEARA TYNADEEFWNYTALAGLNVVLGGHLKPAAPVVEVAPVEPTPVTPQPQELTED LNMELRVFFDTNKSNIKDQYKPEIAKVAEKLSEYPNATARIEGHTDNTGPRKL NERLSLARANSVKSALVNEYNVDASRLSTQGFAWDQPIADNKTKEGRAMNR RVFATITGSRTVVVQPGQEAAAPAAAQ
References	"New insights into Acinetobacter baumannii pathogenesis revealed by high-density pyrosequencing and transposon mutagenesis." Smith M.G., Gianoulis T.A., Pukatzki S., Mekalanos J.J., Ornston L.N., Gerstein M., Snyder M. Genes Dev. 21:601-614(2007)

Certificate of Analysis

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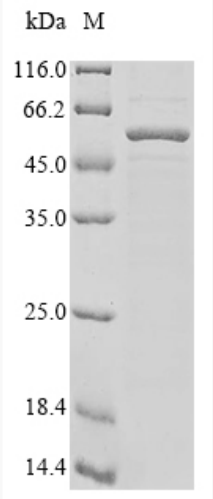
Batch Number	YD04489a7g5		
Nature	Acinetobacter baumannii omp38-(AA 20-356)-**A3M8K2**-Full Length of Mature Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 ℃, one week from the date of receipt	
	Long term	-20 to -80 ℃, twelve months from the date of receipt	
Form	Liquid		
Date of detection	2020.04.09		
Test Items	**Specifications**		**Results**
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		0.15 mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 52.5 kDa		Observed band size: 62 kDa The reducing (R) protein migrates as 62 kDa in SDS-PAGE may be due to relative charge.

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	