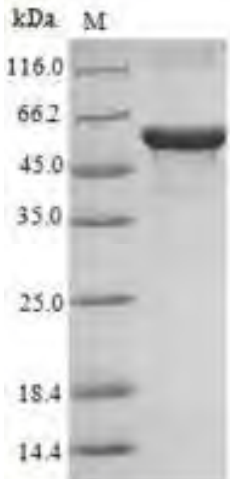


## Certificate of Analysis

Product Name	Recombinant Outer membrane protein P5(ompA)		
Catalog Number	MBS1170695		
Expression host	E.coli		
Product Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged		
Buffer	0.2 μm Sterile Filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 20% glycerol		
Batch Number	03257		
Nature	Haemophilus influenzaeompA- (AA 22-359)- <b>P45996</b> - Full Length of Mature Protein		
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 manufacture	2016.11.24		
Test Items	Specifications		Results
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		2mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		95%
Molecular Weight	Predicted band size : 56.4kDa		Observed band size: 58 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		
Analyst		Date	
Corrector		Date	