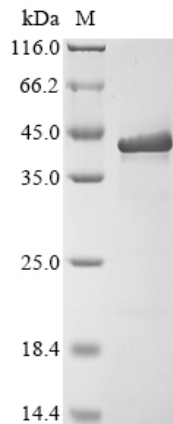


## Datasheet

<b>Product Name</b>	Recombinant Zaire ebolavirus Matrix protein VP40(VP40)
<b>Catalog Number</b>	MBS1380213
<b>Expression host</b>	<i>Baculovirus</i>
<b>Product Info</b>	N-terminal 10xHis-tagged and C-terminal Myc-tagged
<b>Storage Buffer</b>	0.2 µm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 20% glycerol
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Relevance</b>	Plays an essential role virus particle assembly and budding. Acts by interacting with viral ribonucleocapsid and host members of the ESCRT (endosomal sorting complex required for transport) system such as host VPS4, PDCD6IP/ALIX, NEDD4 or TGS101. May play a role in immune cell dysfunction by being packaged into exosomes that can decrease the viability of recipient cells (via RNAi suppression and exosome-bystander apoptosis).
<b>AA sequence</b>	MRRVILPTAPPEYMEAIYPVRSNSTIARGGNSNTGFLTPEVNGDTPSNPLRPIA DDTIDHASHTPGSVSSAFIEAMVNVISGPKVLMKQIPIWLPLGVADQKTYSFD STTAAIMLASYTITHFGKATNPLVRVNRLLGPGIPDHPLRLLRIGNQAFLEFVL PPVQLPQYFTFDLTALKLITQPLPAATWTDDTPTGSNGALRPGISFHPKLRPILL PNKSGKKGNSADLTSPEKIQAIMTSLQDFKIVPIDPTKNIMGIEVPETLVHKLGTG KKVTSKNGQPIIPVLLPKYIGLDPVAPGDLTMVITQDCDTCHSPASLPAVIEK
<b>References</b>	"Crystal structure of the matrix protein VP40 from Ebola virus." Dessen A., Volchkov V., Dolnik O., Klenk H.-D., Weissenhorn W. EMBO J. 19:4228-4236(2000)

## Certificate of Analysis

Product Name	Recombinant Zaire ebolavirus Matrix protein VP40(VP40)		
Catalog Number	MBS1380213		
Expression host	Baculovirus		
Product Info	N-terminal 10xHis-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	YD04021b1g2		
Nature	Zaire ebolavirus VP40-(AA 1-326)-Q77DJ6-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	2021.04.09		
Test Items	Specifications		Results
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		1.28 mg/ml
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		92%
Molecular Weight	Predicted band size: 39.1 kDa		Observed band size: 42 kDa

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

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