Datasheet

Product Name	Recombinant Vaccinia virus Entry-fusion complex associated protein OPG095(OPG099),partial
Catalog Number	**AAA18642**
Expression host	*Yeast*
Product Info	N-terminal 6xHis-tagged
Storage Buffer	0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 10% 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	Envelope protein which probably plays a role in virus entry into the host cell. Is probably involved in the virus attachment to the host cell surface and associates with the entry/fusion complex (EFC). Needed for fusion and penetration of the virus core into host cell.
AA sequence	GAAASIQTTVNTLSERISSKLEQEANASAQTKCDIEIGNFYIRQNHGCNLTVKNMCSADADAQLDAVLSAATETYSGLTPEQKAYVPAMFTAALNIQTSVNTVVRDFENYVKQTCNSSAVVDNKLKIQNVIIDECYGAPGSPTNLEFINTGSSKGNCAIKALMQLTTKATTQIAPKQVAGTG
References	"Potent neutralization of vaccinia virus by divergent murine antibodies targeting a common site of vulnerability in L1 protein." Kaever T., Meng X., Matho M.H., Schlossman A., Li S., Sela-Culang I., Ofran Y., Buller M., Crump R.W., Parker S., Frazier A., Crotty S., Zajonc D.M., Peters B., Xiang Y. J. Virol. 88:11339-11355(2014)

Certificate of Analysis

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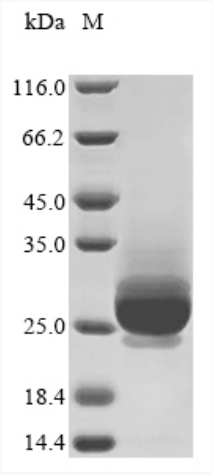
Buffer	0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 10% glycerol		
Batch Number	04220		
Nature	Vaccinia virus VACWR088-(AA 2-183)-**P07612**-Partial Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, six months from the date of receipt	
Form	Liquid		
Date of detection	2023.08.22		
Test Items	**Specifications**		**Results**
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		1.5 mg/ml
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		85%
Molecular Weight	Predicted band size: 21.3 kDa		Observed band size: 28 kDa The reducing (R) protein migrates as 28 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	Untreated
Activity	Not tested
Conclusion	pass