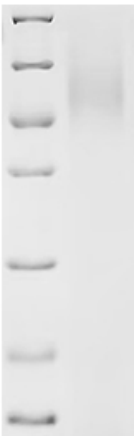


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## Certificate of Analysis

Product Name	Recombinant Candida albicans Agglutinin-like protein 3 (ALS3), partial		
Catalog Number	AAA18615		
Expression host	Yeast		
Tag Info	C-terminal 6xHis-tagged		
Buffer	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4. The volume before lyophilization is 490μl/vial.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DD06085k1g0		
Nature	Candida albicans ALS3-(AA 918-1119)-O74623-Partial Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week after reconstitution	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2024.08.22		
Test Items	Specifications		Results
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	<div><div>kDa</div><div>M</div><div></div></div>	95%
Molecular Weight	Predicted band size: 22.4 kDa		Observed band size: 60 kDa  The reducing (R) protein migrates as 60 kDa in SDS-PAGE may be due to glycosylation.

<b>Electrophoretic parameters</b>	(Tris-Glycine gel) Discontinuous SDS PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
<b>Aseptic Processing</b>	Lyophilized protein has been sterile filtered prior to lyophilization. However, the lyophilization process could potentially compromise sterility and please follow the instruction below if customers need a sterile filtered protein. Please sterile filter reconstituted lyophilized proteins with a 0.22µm filter in a clean bench (or other sterile environment) after reconstitution. Customers could use it as reference.	
<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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**Datasheet**

<b>Product Name</b>	Recombinant Candida albicans Agglutinin-like protein 3 (ALS3), partial
<b>Catalog Number</b>	AAA18615
<b>Expression host</b>	<i>Yeast</i>
<b>Tag Info</b>	C-terminal 6xHis-tagged
<b>Buffer</b>	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4. The volume before lyophilization is 490µl/vial.
<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>	Cell surface adhesion protein which mediates both yeast-to-host tissue adherence and yeast aggregation. Plays an important role in the biofilm formation and pathogenesis of C.albicans infections. Necessary for C.albicans to bind to N-cadherin on endothelial cells and E-cadherin on oral epithelial cells and subsequent endocytosis by these cells. During disseminated infection, mediates initial trafficking to the brain and renal cortex and contributes to fungal persistence in the kidneys.
<b>AA sequence</b>	VSVETESSTVTTAQTNPSVPTTESEVVFTTKGNNENGPYESPSTNVKSSMDENSE FTTSTAASTSTDIENTIATTGSVEASSPISSADETTT VT TTTAESTSVIEQPTNNN GGGKAPSATSSPSTTTTANND SVITGTTSTNQSQSQSQYNSDTQQT TLSQQMTSS LVSLHMLTTFDGSGSVIQHSTWLCGLITLLSLFI