Recombinant Candida albicans eno1 Antigen, His tagged

Cat. No. eno1-013C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Candida albicans enolase gene has been expressed as a recombinant antigen fused to a his-tag in its N-terminus. It is produced from the complete ORF of the 2-phospho-D-glyceratehydro-lyase.
Species	Candida albicans
Source	E.coli
Description	Enolase (2-phosphoD-glycerate hyidrolyase) is an important glycolytic enzyme located on the cell wall of Candida albicans. This is a termostable and proteinic antigen, produced by all candida species. It is a marker of deep tissular invasion, detectable even in absence of candidemia. It has been described as highly immunogenic.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 66.2-45 kDa, while relative molecular mass calculated from amino acid sequence is 56,543.7 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and

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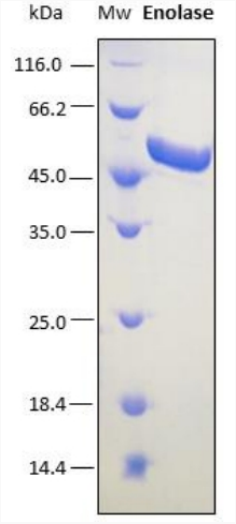
	stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 8, 1 M NaCl, 0.1% polyoxyethylene (10) tridecylether and 8 M urea
Concentration	1.28 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Eroles, P., Sentandreu, M., Elorza, M.V. and Sentandreu, R. The highly immunogenic enolase and HSP70 are adventitious Candida albicans cell Wall proteins. 1997, Microbiology, 143:313–20. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	 SDS-PAGE analysis (12.5%) of 3 μL of recombinant enolase. Purity is > 98% as

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	determined by gel electrophoresis.

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