

Recombinant *T. cruzi* FRA Antigen, His&GST tagged

Cat. No. FRA-022T **Lot. No.** (See product label)

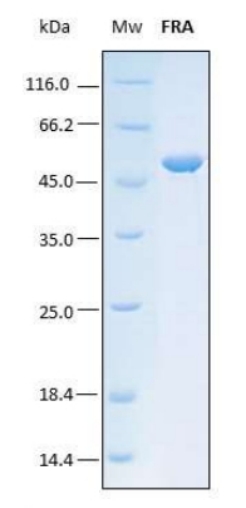
SPECIFICATION

Product Overview	The <i>T. cruzi</i> antigen FRA has been prepared as a recombinant antigen fused to a GST-His-tag in its N-terminal. It corresponds to the <i>T. cruzi</i> cytoskeleton associated protein. Also known as Ag1, JL7, H49.
Species	<i>T. cruzi</i>
Source	E.coli
Description	FRA is the <i>Trypanosoma cruzi</i> cytoskeleton associated protein. It is built up of repeats of 68 amino acids that are very much conserved between strains and isolates of <i>Trypanosoma cruzi</i> . This antigen is useful for detection of chronic infection.
Tag	N-His&GST
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 45-66.2 kDa, while relative molecular mass calculated from amino acid sequence is 49,832.5 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.

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Storage Buffer	20 mM phosphate buffer pH 8 and 0,15 M NaCl
Concentration	1.03 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Foti, L., Fonseca B. de P., Nascimento, L. D., Marques C. de F., da Silva E. D., Duarte, C. A., Probst C. M., Goldenberg, S., Pinto, A. G. and Krieger, M. A. Viability study of a multiplex diagnostic platform for Chagas diseases. 2009, Mems.Instituto Oswaldo Cruz, 104:136-41. 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%) of 1 µL of recombinant FRA. Purity is > 98% as determined by gel electrophoresis.