

## FRA recombinant protein

FRA recombinant

|                              |                       |                                            |
|------------------------------|-----------------------|--------------------------------------------|
| CATALOG #<br><b>AAA72854</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, ELISA</b> |
|------------------------------|-----------------------|--------------------------------------------|

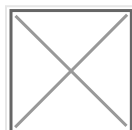
### PRODUCT SYNONYMS

FRA; FRA recombinant; RECOMBINANT ANTIGEN FRA from Trypanosoma cruzi; 2 repetitions from cytoskeleton-associated protein; FRA recombinant protein

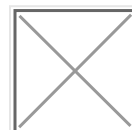
### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                                 | 0.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                         | Dry powder (lyophilized)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Concentration                                       | 0.75 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Length                                     | 326                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for FRA recombinant protein | WB (Western Blot), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Recombinant Antigen                                 | Trypanosoma cruzi antigen FRA (Foti et al., 2009).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Organism                                            | Trypanosoma cruzi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tag                                                 | HIS/GST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Molecular Weight Information                        | Determined by SDS-PAGE, the protein band is between molecular markers of 45,000-66,200 Da, while relative molecular mass calculated from amino acid sequence is 49,832.5 Da.                                                                                                                                                                                                                                                                                                                                                                   |
| Observation Notes                                   | Proteins should be maintained frozen at high concentrations. The dilution to be performed for ELISA assays should be made with a small quantity of protein, the same day of the experiment. In order to defrost the protein, maintain the aliquot at 25 degree C without shaking to avoid aggregation. Prior making test dilutions and after defrost the protein, is recommended to remove possible protein aggregates by centrifuging the stock solution, avoiding alterations in the immobilization of the biomolecule to the solid surface. |
| Buffer                                              | 20 mM phosphate buffer pH 8 and 0.15 M NaCl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reconstitution                                      | For lyophilized proteins: with 0.04 ml of sterile double-distilled water (lot specific) for a final concentration of 1.59 mg/ml (lot specific). The protein will be at pH 8.                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage                             | Lyophilized protein is shipped with on ice packs. Upon arrival, it should be stored at 20 degree C to -80 degree C. Aliquot after reconstitution in order to avoid repeated freezing and thawing cycles and store at 20 degree C to -80 degree C.                                                                                                                                                                                                                                                                                              |

### IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for FRA recombinant protein | the T. cruzi antigen FRA has beenprepared as a recombinant antigen fused to a GST-his-tagin its N-terminal. It consists of two consecutive repetitions of the characteristic 64 aa-repetitions of the T. cruzicytoskeleton associated protein.                                                                                                                                                                                 |
| Product Categories/Family for FRA recombinant protein   | PARASITES                                                                                                                                                                                                                                                                                                                                                                                                                      |
| References                                              | Foti, L., Fonseca B. de P., Nascimento, L. D., MarquesC. de F., da Silva E. D., Duarte, C. A., Probst C. M.,Goldenberg, S., Pinto, A. G. and Krieger, M. A. Viabilitysuty of a multiplex diagnostic platform for Chagas diseases.2009, Mems.Instituto Oswaldo Cruz, 104:136-41.<br>Gill SC, von Hippel PH. Calculation of protein extinctioncoefficients from amino acid sequence data. AnalBiochem. 1989 Nov 1;182(2):319-26. |

NCBI AND UNIPROT INFORMATION

|                         |                                 |
|-------------------------|---------------------------------|
| NCBI GI #               | 162226                          |
| NCBI Official Full Name | cytoskeleton associated protein |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fra-recombinant-protein-e-coli-wb-western-blot-elisa/72854>