

**AR31011PU-N****Recombinant Chagas Antigen 1F8 (Trypanosoma cruzi)**

<b>Alternate names:</b>	ALC-1, F29, Flagellar calcium-binding protein, P24
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml (prior to lyophilization)
<b>Background:</b>	Trypanosoma cruzi, better known as T. cruzi, is a deadly parasite that causes Chagas' disease. This disease is a chronic infection, which primarily affects the heart and nervous system, causing severe neurological disorders, as well as swelling or denervation of nervous tissue in the heart, colon and esophagus. Chagas' disease often goes undiagnosed due to close association of symptoms to heart disease and a variety of other disorders. The organism can circulate in the blood of infected patients for many years after infection, and can lead to transfusion-acquired infections in blood recipients from these infected donors. Contaminated blood transfusions are suspected to be the primary way in which the parasite has been transmitted to industrialized countries.
<b>Uniprot ID:</b>	<a href="#">P07749</a>
<b>NCBI:</b>	<a href="#">5693</a>
<b>GenEID:</b>	<a href="#">566</a>
<b>Species:</b>	T. Cruzi
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Lyophilized purified protein. <b>Purity:</b> 90-95% by 15% SDS-PAGE (Metal Affinity Chromatography). <b>Buffer System:</b> 20mM HEPES, pH 8 containing 300mM Sodium Chloride, 284mM Imidazole, 2% Sucrose and ProClin300 as preservative <b>Reconstitution:</b> Restore with 0.25 ml distilled water through the septum of the tube. Centrifuge briefly (1000-2000 rpm for 5 minutes).
<b>Applications:</b>	<b>ELISA.</b> <b>Lateral Flow.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Description:</b>	Recombinant Chagas Antigen 1F8 (Trypanosoma cruzi). Recombinant protein, from the 1F8 epitope of Flagellar calcium-binding protein (FCABP) of Trypanosoma cruzi. <b>Molecular weight:</b> 25.8 kDa. Contains a 6-HIS tag. <b>Molecular weight:</b> 25.8 kDa
<b>Storage:</b>	Store lyophilized product at 2-8°C. After reconstitution, aliquot and store at -70°C. Avoid multiple freeze/thaw cycles. Shelf life: one year from despatch.