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32-5389: Recombinant Chimeric Chagas Multiantigen

Description

Recombinant Chimeric Chagas Multiantigen (MACH) (Trypanosoma cruzi) produced in E.Coli, is a polypeptide chain of 87 a.a. with epitopes PEP-2, TcD, TcE and SAPA. The protein is fused to a 6-His tag and having an Mw of 9.9kDa. 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.

Product Info

Amount :	15 µg
Purification :	Protein is >90% pure as determined by metal affinity chromatography.
Content :	Chimeric Chagas Multiantigen was lyophilized from 20mM Tris pH-8.5, 100mM Sodium chloride, 20% trehalose and 0.1% Sodium azide as preservative.
Storage condition :	Store lyophilized Chagas Multiantigen at 2-8°C. After reconstitution, store at -20°C. Prevent freeze/thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized Chimeric Chagas Multiantigen in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.