

1F8 Chagas

Description: Recombinant Chagas 1F8 protein (Epitope of the flagellar calcium-binding protein FCABP of *Trypanosoma cruzi*) produced in *E. Coli*, is a polypeptide chain having a total of 234 a.a (includes his tag). The protein is fused to a 6-His tag having a total Mw of 25.8kDa and a theoretical pI of 5.39.

Catalog #:CCPS-009

For research use only.

Source: *Escherichia Coli*.

Purity: Protein is >90% pure as determined by SDS PAGE.

Formulation:

1F8 Chagas antigen was lyophilized from 20mM Hepes, 300mM NaCl, pH-8, and varying 284mM imidazole.

Usage:

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Applications:

Reacts with sera from infected patients, Useful for immunoassays.

Solubility:

It is recommended to reconstitute the lyophilized 1F8 Chagas protein in sterile distilled pyrogen free water at 100

Introduction:

Flagellar calcium-binding protein (Protein FcaBP) is a protein which may be involved in swift motility of *Trypanosoma*, having an imperative role in flagellar structure and calcium metabolism, as it exhibits 4 EF-hand type (helix-loop-helix) structural domains, of which 3 may contain calcium-binding sites. Calcium has a vital role in the motility of *Trypanosoma*. The subcellular localization of Protein FcaBP is in the flagella of *T. cruzi*.

Storage:

Store lyophilized 1F8 Chagas antigen at 2-8°C. After reconstitution, store at -20°C. Prevent freeze/thaw cycles.

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