
Product Data Sheet

Product Name: 1F8 Chagas
Cat. No.: GP25206
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.

Solubility It is recommended to reconstitute the lyophilized 1F8 Chagas protein in sterile distilled pyrogen free water at 100µg/ml, which can then be further diluted to other aqueous solutions.

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

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.

Stability

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

Background

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 pl of 5.39.

Caution: Product has not been fully validated for medical applications. For research use only.

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