

Recombinant Chagas FCABP protein, His-tagged

Cat. No. FCABP-23C Lot. No. (See product label)

SPECIFICATION

Product Overview	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.
Species	Chagas
Source	E.coli
ProteinLength	234 a.a (includes his tag)
Description	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.
Form	1F8 Chagas antigen was lyophilized from 20mM Hepes, 300mM NaCl, pH-8, and varying 284mM imidazole.
Molecular Mass	25.8kDa
Purity	Protein is >90% pure as determined by SDS PAGE.

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Applications	Reacts with sera from infected patients, Useful for immunoassays.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Store lyophilized 1F8 Chagas antigen at 2-8°C. After reconstitution, store at -20°C. Prevent freeze/thaw cycles.
Solubility	It is recommended to reconstitute the lyophilized 1F8 Chagas protein in sterile distilled pyrogen free water at 100g/ml, which can then be further diluted to other aqueous solutions.

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