OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR31011PU-N

Chagas Antigen 1F8 T. Cruzi Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Chagas Antigen 1F8 t. cruzi recombinant protein, 0.5 mg
Species:	T. Cruzi
Expression Host:	E. coli
Predicted MW:	25.8 kDa
Concentration:	lot specific
Purity:	90-95% by 15% SDS-PAGE (Metal Affinity Chromatography).
Buffer:	Presentation State: Purified State: Lyophilized purified protein. Buffer System: 20mM HEPES, pH 8 containing 300mM Sodium Chloride, 284mM Imidazole, 2% Sucrose and ProClin300 as preservative
Reconstitution Method:	Restore with 0.25 ml distilled water through the septum of the tube. Centrifuge briefly (1000-2000 rpm for 5 minutes).
Preparation:	Lyophilized purified protein.
Applications:	**ELISA.** **Lateral Flow.**
Protein Description:	Recombinant Chagas Antigen 1F8 (Trypanosoma cruzi). Recombinant protein, from the IF8 epitope of Flagellar calcium-binding protein (FCABP) of Trypanosoma cruzi. ***Molecular weight:*** 25.8 kDa. Contains a 6-HIS tag.
Storage:	Store lyophilized product at 2-8°C. After reconstitution, aliquot and store at -70°C. Avoid multiple freeze/thaw cycles.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001691
Locus ID:	566
UniProt ID:	P20160
Cytogenetics:	19p13.3

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Synonyms: AZAMP; AZU; CAP37; HBP; hHBP; HUMAZUR; NAZC

Summary: Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. This gene encodes a preproprotein that is proteolytically processed to generate a mature azurophil granule antibiotic protein, with monocyte chemotactic and antimicrobial activity. It is also an important multifunctional inflammatory mediator. This encoded protein is a member of the serine protease gene family but it is not a serine proteinase, because the active site serine and histidine residues are replaced. The genes encoding this protein, neutrophil elastase 2, and proteinase 3 are in a cluster located at chromosome 19pter. All 3 genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation. [provided by RefSeq, Nov 2015]

Protein Families: Druggable Genome, Protease