

Product datasheet

Recombinant Yersinia pestis F1 antigen protein (His tag) ab236940

1 Image

Description

Product name	Recombinant Yersinia pestis F1 antigen protein (His tag)	
Purity	> 90 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	P26948	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Yersinia pestis	
Sequence	ADLTASTTATATLVEPARITLTYKEGAPITIMDNGNIDTELLV GTLTLGG YKTGTTSTSVNFTDAAGDPMYLTFTSQDGNNHQFTTKVIG KDSRDFDISP KVNGENLVGDDVVLATGSQDFFVRSIGSKGGKLAAGKYT DAVTVTVSNQ	
Predicted molecular weight	18 kDa	
Amino acids	22 to 170	
Tags	His tag N-Terminus	
Additional sequence information	Full length mature chain without the signal peptide.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab236940** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

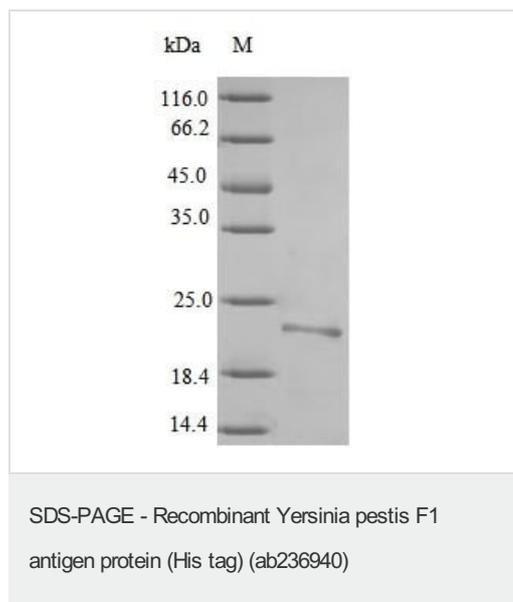
Relevance

Yersinia pestis is a gram-negative coccobacillus belonging to the Enterobacteriaceae. *Yersinia pestis* is primarily a rodent pathogen, with humans being an accidental host when bitten by an infected rat flea. The flea draws viable *Y. pestis* organisms into its intestinal tract. Some *Y. pestis* in the flea are then regurgitated when the flea gets its blood meal thus transferring the infection to a new host. While growing in the flea, *Y. pestis* loses its capsular layer, which is made of the F1 (or fraction 1) capsule antigen. Most of the organisms are phagocytosed and killed by the polymorphonuclear leukocytes in the human host. A few bacilli are taken up by tissue macrophages. The macrophages are unable to kill *Y. pestis* and provide a protected environment for the organisms to synthesize their virulence factors.

Cellular localization

Secreted

Images



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel analysis of ab236940.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Promise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors