abcam

Product datasheet

Recombinant E. coli hchA protein ab106879

1 Image

Description

Product name	Recombinant E. coli hchA protein
Purity	> 95 % SDS-PAGE. ab106879 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P31658
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Escherichia coli
Sequence	**MGSSHHHHHHSSGLVPRGSH**MTVQTSKNPQVDIAEDNA FFPSEYSLSQYT SPVSDLDGVDYPKPYRGKHKILVIAADERYLPTDNGKLFST GNHPIETLL PLYHLHAAGFEFEVATISGLMTKFEYWAMPHKDEKVMPF FEQHKSLFRNP KKLADVVASLNADSEYAAIFVPGGHGALIGLPESQDVAAA LQWAIKNDRF VISLCHGPAAFLALRHGDNPLNGYSICAFPDAADKQTPEIG YMPGHLTWY FGEELKKMGMNIINDDITGRVHKDRKLLTGDSPFAANALG KLAAQEMLAA YAG
Predicted molecular weight	33 kDa including tags
Amino acids	1 to 283
Tags	His tag N-Terminus
Description	Recombinant *E. coli* hchA protein

Specifications

Our **Abpromise guarantee** covers the use of **ab106879** 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 Mass Spectrometry

Mass spectrometry	MALDI-TOF
Form	Liquid

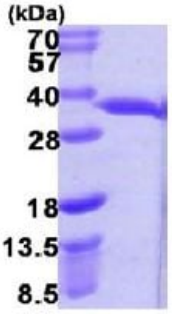
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	Uses temperature-induced exposure of structured hydrophobic domains to capture and stabilize early unfolding protein intermediates under severe thermal stress. It rapidly releases them once stress has abated.
Sequence similarities	Belongs to the peptidase C56 family. HchA subfamily.
Domain	Consists of a large A domain and a smaller P domain connected by a linker. The thermally induced motion of the flexible linker-loop region leads to the uncovering of a high-affinity substrate-binding site that is essential to capture nonnative proteins at high temperatures.
Cellular localization	Cytoplasm.

Images



SDS-PAGE - Recombinant *E. coli* hchA protein (ab106879)

15% SDS-PAGE analysis of 3 µg ab106879.

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- 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
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