

Product datasheet

Recombinant *E. coli* hchA protein ab106879

1 Image

Description

<b>Product name</b>	Recombinant <i>E. coli</i> hchA protein
<b>Purity</b>	> 95 % SDS-PAGE. ab106879 was purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">P31658</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Escherichia coli
<b>Sequence</b>	<b>MGSSHHHHHSSGLVPRGSH</b> MTVQTSKNPQVDIAEDNA FFPSEYSLSQYT SPVSDLDGVDYPKPYRGKHKILVIAADERYLPTDNGKLFST GNHPIETLL PLYHLHAAGFEFEVATISGLMTKFEYWAMPHKDEKVMPP FEQHKSLFRNP KKLADVVASLNADSEYAAIFVPGGHGALIGLPESQDVAAA LQWAIKNDRF VISLCHGPA AFLALRHGDNPLNGYSICAFPDAADKQTPEIG YMPGHLTWY FGEELKKMGMNIIINDDITGRVHKDRKLLTGDSPFAANALG KLAAQEMLAA YAG
<b>Predicted molecular weight</b>	33 kDa including tags
<b>Amino acids</b>	1 to 283
<b>Tags</b>	His tag N-Terminus

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.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	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.

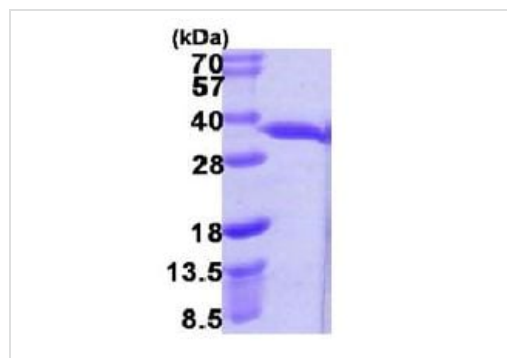
### Domain

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



15% SDS-PAGE analysis of 3 µg ab106879.

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

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

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