

Product datasheet

Recombinant *S. pyogenes* htrA protein (His tag)  
 ab190416

1 Image

Description

<b>Product name</b>	Recombinant <i>S. pyogenes</i> htrA protein (His tag)
<b>Purity</b>	> 85 % Densitometry.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Streptococcus pyogenes
<b>Sequence</b>	TQLTQKSSVNNSNNNSTITQTA YKNENSTTQAVNKVKDAV VSVITYSANR QNSVFGNDDTDTDSQRISSEGS GVIYKKNDKEAYVTNNH VINGASKVDI RLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSS KLTVGET AIAIGSPLGSEYANTVTQGVSSLNRNVSLKSEDGQAISTKA IQTDTAIN PGNSGGPLINIQQQVIGITSSKIATNGGTSVEGLGFAIPAND AINIEQL EKNGKVTRPALGIQMVNLSNVSTDIRRLNIPSNVTSGVVV RSVQSNMPA NGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYR NGKEETT SIKLNKSSGDLES
<b>Predicted molecular weight</b>	41 kDa including tags
<b>Amino acids</b>	33 to 393
<b>Tags</b>	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab190416** in the following tested applications.

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

**Applications** Western blot

SDS-PAGE

**Form** Liquid

## Preparation and Storage

### Stability and Storage

Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 7

Preservative: 1.02% Imidazole

Constituents: 0.79% Tris HCl, 1.74% Sodium chloride, 10% Glycerol (glycerin, glycerine)

## General Info

### Relevance

htrA belongs to a serine type Deg peptidase family, widespread among bacteria and eukaryotes. This family includes three related members htrA (DegP), HhoA (DegQ) and HhoB (DegS). htrA is a highly hydrophilic protein and probably resides in a soluble compartment. The functions of htrA in cyanobacteria are not studied yet, however, in *E. coli*, htrA is a heat stress protein that functions in a homohexameric state in the periplasm.

### Cellular localization

Periplasm

## Images



SDS-PAGE analysis of ab190416

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