



# Recombinant Chlamydia trachomatis serovar D Histone H1-like protein Hc1 (hctA)

|                          |                                                                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-YP315537DSB                                                                                                                                                                                                                                                             |
| <b>Abbreviation</b>      | Recombinant Chlamydia trachomatis serovar D hctA protein                                                                                                                                                                                                                    |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?. |
| <b>Uniprot No.</b>       | P0CE15                                                                                                                                                                                                                                                                      |
| <b>Form</b>              | Liquid or Lyophilized powder                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>    | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                          |
| <b>Product Type</b>      | Recombinant Chlamydia trachomatis serovar D Histone H1-like protein Hc1 (hctA)                                                                                                                                                                                              |
| <b>Immunogen Species</b> | Chlamydia trachomatis serovar D (strain ATCC VR-885 / DSM 19411 / UW-3/Cx)                                                                                                                                                                                                  |
| <b>Sensitivity</b>       | Not Test                                                                                                                                                                                                                                                                    |
| <b>Purity</b>            | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                 |
| <b>Sequence</b>          | ALKDTAKKMTDLLESIQQNLLKAEKGNKAAAQVRVRESIKLEKIAKVYRKESIKA<br>EKMGLMKKSKAAAKKAKAAKKPVRAAKTVAKKACTKRTCATKAKVKPTKKA<br>APKTKVKTAKKTRSTKK                                                                                                                                         |
| <b>Research Area</b>     | Others                                                                                                                                                                                                                                                                      |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                       |
| <b>Target Names</b>      | hctA                                                                                                                                                                                                                                                                        |
| <b>Expression Region</b> | 2-125aa                                                                                                                                                                                                                                                                     |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.                                                                                                                                                                          |
| <b>Tag Info</b>          | C-terminal 6xHis-tagged                                                                                                                                                                                                                                                     |
| <b>Mol. Weight</b>       | 15.0 kDa                                                                                                                                                                                                                                                                    |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                               |
| <b>Image</b>             |  (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.                                                                                      |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a                                                                                                        |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

#### **Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.