

Datasheet for ABIN5853595

## Haptoglobin Protein (HP) (AA 19-347) (His tag)



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### 1 Image

#### Overview

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Quantity:                     | 50 µg                                              |
| Target:                       | Haptoglobin (HP)                                   |
| Protein Characteristics:      | AA 19-347                                          |
| Origin:                       | Human                                              |
| Source:                       | Escherichia coli (E. coli)                         |
| Protein Type:                 | Recombinant                                        |
| Purification tag / Conjugate: | This Haptoglobin protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS)                                     |

#### Product Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence: | <p>VDSGNDV TDIADDGCPK PPEIAHGYVE HSVRYQCKNY YKLRTEGDGV YTLNNEKQWI</p> <p>NKAVGDKLPE CEAVCGKPKN PANPVQRILG GHLDAGSFP WQAKMVSHHN LTTGATLINE</p> <p>QWLLTTAKNL FLNHSENATA KDIAPTLTLY VGKKQLVEIE KVLHPNYSQ VDIGLIKLKQ</p> <p>KVSVNERVMP ICLPSKDYAE VGRVGYVSGW GRNANFKFTD HLKYVMLPVA DQDQCIRHYE</p> <p>GSTVPEKKTP KSPVGVQPIL NEHTFCAGMS KYQEDTCYGD AGSAFAVHDL EEDTWYATGI</p> <p>LSFDKSCAVA EYGVYVKVTS IQDWVQKTIA EN</p> |
| Purity:   | > 80% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                  |

#### Target Details

|                   |                                                |
|-------------------|------------------------------------------------|
| Target:           | Haptoglobin (HP)                               |
| Alternative Name: | Haptoglobin/HP ( <a href="#">HP Products</a> ) |

## Target Details

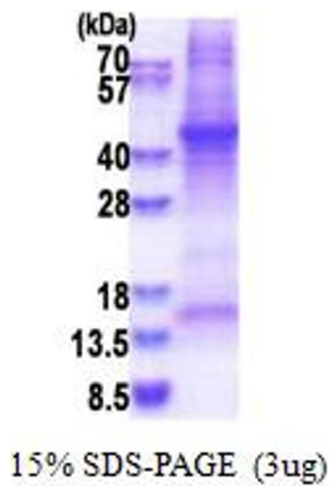
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background:       | HP, as known as haptoglobin, is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. In blood plasma, haptoglobin binds free hemoglobin (Hb) released from erythrocytes with high affinity and thereby inhibits its oxidative activity. The haptoglobin-hemoglobin complex will then be removed by the reticuloendothelial system (mostly the spleen). Recombinant human HP protein, fused to His-tag at N-terminus, was expressed in E. coli |
| Molecular Weight: | 39.0 kDa (352aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI Accession:   | <a href="#">NP_001119574</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt:          | <a href="#">P00738</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pathways:         | <a href="#">Transition Metal Ion Homeostasis</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Application Details

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment:           | Denatured                                                          |
| Restrictions:      | For Research Use only                                              |

## Handling

|                  |                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                                                            |
| Concentration:   | 0.5 mg/mL                                                                                                                                         |
| Buffer:          | Liquid. 20 mM Tris-HCl buffer ( pH 8.0) containing 10 % glycerol 0.4M urea                                                                        |
| Storage:         | 4 °C,-20 °C,-80 °C                                                                                                                                |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |



| SDS-PAGE |
|----------|
| Image 1. |