

Datasheet for ABIN1000927

**Haptoglobin beta Chain (HP) (AA 162-406) protein (His tag)**[Go to Product page](#)

## Overview

|                               |                                     |
|-------------------------------|-------------------------------------|
| Quantity:                     | 10 µg                               |
| Target:                       | Haptoglobin beta Chain (HP)         |
| Protein Characteristics:      | AA 162-406                          |
| Origin:                       | Human                               |
| Source:                       | Escherichia coli (E. coli)          |
| Protein Type:                 | Recombinant                         |
| Purification tag / Conjugate: | His tag                             |
| Application:                  | Western Blotting (WB), Control (Ct) |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Haptoglobin B-Chain (Western Blot Control)   |
| Sequence:        | ILGGHLDKAG SFPWQAKMVS HHNLTTGATL INEQWLLTTA ILGGHLDKAG SFPWQAKMVS<br>HHNLTTGATL INEQWLLTTA ILGGHLDKAG SFPWQAKMVS HHNLTTGATL INEQWLLTTA<br>ILGGHLDKAG SFPWQAKMVS HHNLTTGATL INEQWLLTTA ILGGHLDKAG SFPWQAKMVS<br>HHNLTTGATL INEQWLLTTA ILGGHLDKAG SFPWQAKMVS HHNLTTGATL INEQWLLTTA TIAEN |
| Characteristics: | recombinant Haptoglobin β-chain comprises a 245 amino acid fragment (162-406) corresponding to the mature haptoglobin β-chain and is expressed in E. coli with an amino-terminal hexahistidine tag.  |
| Purity:          | > 95 %   |

## Target Details

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Target: Haptoglobin beta Chain (HP)

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Abstract: [HP Products](#)

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Background: Haptoglobin is a glycoprotein secreted in the blood plasma that binds free haemoglobin thereby inhibiting its oxidative activity and preventing iron loss following haemolysis. Haptoglobin also regulates the activity of many cell types of the immune system and is an extracellular chaperone. Haptoglobin is produced mostly by hepatocytes but also by other tissues: e.g. skin, lung and kidney. Haptoglobin is a tetramer of two  $\alpha$ - and two  $\beta$ -chains, connected by disulfide bridges. The chains originate from a common precursor protein, which is proteolytically cleaved during protein synthesis.,Hp, Bp

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Molecular Weight: 31.76 kDa

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UniProt: [P00738](#)

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## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: Supplied in 1x Laemmli Buffer (25 mM Tris-HCl pH 6.8, 50 mM DTT, 1 % (w/v) SDS, 0.1 % (w/v) Bromophenol Blue, 2.5 % Glycerol).

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Preservative: Dithiothreitol (DTT)

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Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20 °C

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