

## HP recombinant protein

Recombinant Human HP Protein

|                               |                            |                            |                                                      |
|-------------------------------|----------------------------|----------------------------|------------------------------------------------------|
| CATALOG #<br><b>AAA263211</b> | HOST<br><b>Human cells</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>SDS-Page, Western Blot, ELISA</b> |
|-------------------------------|----------------------------|----------------------------|------------------------------------------------------|

### PRODUCT SYNONYMS

HP; Recombinant Human HP Protein; Haptoglobin; Zonulin; HP recombinant protein

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Human cells                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity                                         | Human                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity/Purification                                | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format                                        | Lyophilized from a 0.2 muM filtered solution of PBS, 1mM DTT, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence                                           | VDSGNDVTDI ADDGCPKPPE IAHGVEHSV RYQCKNYYKL RTEGDGVYTL NDKKQWINKA VGDKLPECEA DDGCPKPPEI AHGYVEHSVR YQCKNYYKLR TEGDGVYTLN NEKWINKAV GDKLPECEAV CGKPKNPANP VQRILGGHLD AKGSFPWQAK MVSHHNLTTG ATLINEQWLL TTAKNLFLNH SENATAKDIA PTLTYVGKK QLVEIEKVVL HPNYSQVDIG LIKLKQKVSV NERVMPICLP SKDYAEVGRV GYVSGWGRNA NFKFTDHLKY VMLPVADQDQ CIRHYEGSTV PEKKTSPV GVQPILNEHT FCAGMSKYQE DTCYGDAGSA FAVHDLLEEDT WYATGILSFD KSCAVAEYGV YVKVTSIQDW VQKTIAENVD HHHHHH |
| Sequence Length                                    | 347                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for HP recombinant protein | MS (Mass Spectrometry), SDS-PAGE, WB (Western Blot), ELISA                                                                                                                                                                                                                                                                                                                                                                                      |
| Endotoxin                                          | Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.                                                                                                                                                                                                                                                                                                                                                                                       |
| Directions for Use                                 | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.                                                                                                                                                                  |
| Preparation and Storage                            | Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.                                                                                                                                                                                      |

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HP recombinant protein | Recombinant Human HP Protein is produced by our mammalian expression system and the target gene encoding Val19-Asn406 is expressed with a 6His tag at the C-terminus. |
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### NCBI AND UNIPROT INFORMATION

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| NCBI GI #                 | 186910296                                                              |
| NCBI GeneID               | 3240                                                                   |
| NCBI Accession #          | NP_001119574.1                                                         |
| NCBI GenBank Nucleotide # | NM_001126102.2                                                         |
| UniProt Accession #       | P00738; P00737; Q0VAC4; Q0VAC5; Q2PP15; Q3B7J0; Q6LBY9; Q9UC67; B0AZL5 |

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| <b>Molecular Weight</b>                 | 38,452 Da                           |
| <b>NCBI Official Full Name</b>          | haptoglobin isoform 2 preproprotein |
| <b>NCBI Official Synonym Full Names</b> | haptoglobin                         |
| <b>NCBI Official Symbol</b>             | HP                                  |
| <b>NCBI Official Synonym Symbols</b>    | BP; HPA1S; HP2ALPHA2                |
| <b>NCBI Protein Information</b>         | haptoglobin                         |
| <b>UniProt Protein Name</b>             | Haptoglobin                         |
| <b>UniProt Gene Name</b>                | <b>HP</b>                           |
| <b>UniProt Entry Name</b>               | HPT_HUMAN                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/hp-recombinant-protein-human-cells-ms-mass-spectrometry-sds-page-wb-western-blot-elisa/263211>