

## Hephaestin Recombinant Protein | HEPH recombinant protein

Recombinant Hephaestin (HEPH)

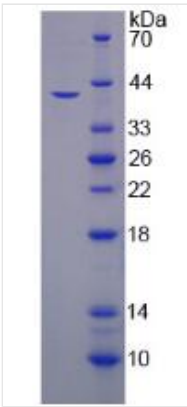
|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA143981</b> | HOST<br><b>E.coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Hephaestin; Recombinant Hephaestin (HEPH); HEPH recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification                                  | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                          | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Concentration                                        | Original Concentration: 200ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence                                             | ATRVYYLGIR DVQWNYAPKG RNVITNQPLD SDIVASSFLK SDKNRIGGT Y KKTIIYKEYKD DSYTDEVAQP<br>AWLGFLGPVL QAEVGDVILI HLKNFATRPY TIHPHGVFYE KSEGSLYPD GSSGPLKADD SVPPGGSHIY<br>NWTIPEGHAP TDADPACLTW IYHSHVDAPR DIATGLIGPL ITCKRGALDG NSPPQRQDVD HFFLLFSVV<br>DENLSWHLNE NIATYCSDPA SVDKEDETFQ ESNRMHAING FVFGNLPEN MCAQKRVAWH LFGMGNEIDV<br>HTAFFHGQML TTRGHHTDVA NIFPATFVTA EMVPWEPGTW LISCQVNSHF RDGMQALYKV KSC                                                                                                                                                                                 |
| Applicable Applications for HEPH recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source                                               | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Residues                                             | Ala24~Cys366                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tags                                                 | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Subcellular Location                                 | Membrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Traits                                               | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Predicted isoelectric point                          | 5.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Usage                                                | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                              | <p><b>Storage:</b><br/>           Avoid repeated freeze/thaw cycles.<br/>           Store at 2-8 degree C for one month.<br/>           Aliquot and store at -80 degree C for 12 months.</p> <p><b>Stability Test:</b><br/>           The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |



SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 12830539                                                                                                           |
| NCBI GeneID                      | 9843                                                                                                               |
| Molecular Weight                 | Predicted Molecular Mass: 42.1kDa<br>Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | hephaestin                                                                                                         |
| NCBI Official Synonym Full Names | hephaestin                                                                                                         |
| NCBI Official Symbol             | HEPH                                                                                                               |
| NCBI Official Synonym Symbols    | CPL                                                                                                                |
| NCBI Protein Information         | hephaestin                                                                                                         |
| UniProt Protein Name             | Hephaestin                                                                                                         |
| UniProt Gene Name                | <b>HEPH</b>                                                                                                        |
| UniProt Synonym Gene Names       | KIAA0698                                                                                                           |
| UniProt Entry Name               | HEPH_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.

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Online datasheet: <https://www.aaabiotech.com/heph-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/143981>