Datasheet for ABIN2722635

# Hephaestin Protein (HEPH) (Transcript Variant 1) (Myc-DYKDDDDK Tag)

Go to Product page

## 1 Image

## Overview

| | |
|---|---|
| Quantity: | 20 µg |
| Target: | Hephaestin (HEPH) |
| Protein Characteristics: | Transcript Variant 1 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Hephaestin protein is labelled with Myc-DYKDDDDK Tag. |
| Application: | Antibody Production (AbP), Standard (STD) |

## Product Details

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|---|---|
| Characteristics: | • Recombinant human Hephaestin (transcript variant 1) protein expressed in HEK293 cells.<br>• Produced with end-sequenced ORF clone |
| Purity: | > 80 % as determined by SDS-PAGE and Coomassie blue staining |

## Target Details

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|---|---|
| Target: | Hephaestin (HEPH) |
| Alternative Name: | Hephaestin (HEPH Products) |
| Background: | May function as a ferroxidase for ferrous (II) to ferric ion (III) conversion and may be involved in copper transport and homeostasis. Implicated in iron homeostasis and may mediate iron efflux associated to ferroportin 1. [UniProtKB/Swiss-Prot Function] |

## Target Details

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|---|---|
| Molecular Weight: | 136.5 kDa |
| NCBI Accession: | NP_620074 |
| Pathways: | Transition Metal Ion Homeostasis |

## Application Details

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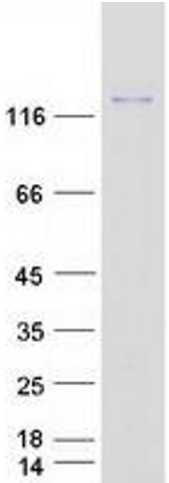
|---|---|
| Application Notes: | Recombinant human proteins can be used for:<br>Native antigens for optimized antibody production<br>Positive controls in ELISA and other antibody assays |
| Comment: | The tag is located at the C-terminal. |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Concentration: | 50 µg/mL |
| Buffer: | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |

## Images




**Western Blotting**

**Image 1.** Validation with Western Blot