

Recombinant Full Length Human HEPH Protein, C-Flag-tagged

Cat. No. HEPH-902HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HEPH Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the multicopper oxidase protein family. The encoded protein is involved in the transport of dietary iron from epithelial cells of the intestinal lumen into the circulatory system, and may be involved in copper transport and homeostasis. In mouse, defects in this gene can lead to severe microcytic anemia. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	136.5 kDa
AA Sequence	MESGHLLWALLFMQSLWPQLTDGATRVYYLGIRDVQWNYAPKGRNVITNQPLDSDI VASSFLKSDKNRIG GTYKKTIIYKEYKDDSYTDEVAQPAWLGLPVLQAEVGDVILI HLKNFATRPYTIHPHGVFYEKDSEGS YPDGSSGPLKADDSVPPGGSHIYNWTIPE GHAPTDADPACLTWIYHSHVDAPRDIATGLIGPLITCKRGA LDGNSPPQRQDVDHD FFLLFSVVDENLSWHLNENIATYCSDPASVDKEDETFQESNRMHAINGFVFGNLP EL NMCAQKRVAWHLFGMGNEIDVHTAFFHGMQLTTRGHHTDVANIFPATFVTAEMVP WEPGTWLISCQVN SHFRDGMQALYKVKSCSMAPPVDLLTGKVRQYFIEAHEIQWD YGPMGHDGSTGKNLREPGSISDKFFQKS SSRIGGTYWKVRYEAFQDETFQEKMHL

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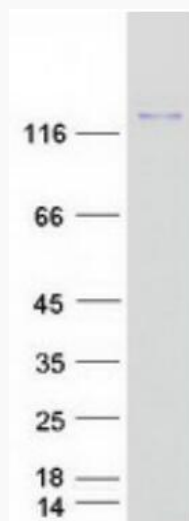
EEDRHLGILGPVIRAEVGDTIQVVFYNRASQPFSMQPHGVFYE KDYEGTVYNDGSS
 YPGLVAKPFEKVITYRWTVPFHAGPTAQDPACLTWMYFSAADPIRDTNSGLVGPLL
 C RAGALGADGKQKGV DKEFFLLFTVL DENKSWYSNANQAAAMLDFRLLSEIEGF
 QDSNRMHAINGLFSN LPR LDMCKGDTVAVHLLGLGTETDVHGV MFQGN TVQLQ
 GMRKGAAMLFPHTFVMAIMQPDNLGTFEIYCQ AGSHREAGMRAIYNVSQCPGHQA
 TPRQRYQAARIYYIMAEVEWDYCPDRSWEREWHNQSEKDSYGYIFL SNKDGLLG
 SRYKKAVFREYTDGTFRIPRPTGPEEHLGILGPLIKGEVGDILT VVFKNNASRPYSV
 HAHG VLESTTVWPLAAEPGEVVTYQWNIPERSGPGPNDSACVSWIYYSAVDPIKD
 MYSGLVGPLAICQKGILEP HGG RSDMDREFALLFLIFDENKSWYLEENVATHGSQD
 PGSINLQDET FLESNKMHAINGKLYANLRGLTM YQGERVAWYMLAMGQD VDLHTIH
 FHAESFLYRNGENYRADVVDLFPGTFEV VEMVASNP GTWLMHCHVTD HVHAGME
 TLFTVFSRTEHLSPLTVITKETEKAVPPRDIEEGNVKMLGMQIPIKNVEMLASVLVAIS
 VTLL
 LVVLALGGVVWYQHRQRKLRRNRRSILDDSFKLLSFKQTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane

Full Length

Full L.

GENE INFORMATION**Gene Name** [HEPH hephaestin \[Homo sapiens \(human\) \]](#)**Official Symbol** [HEPH](#)**Synonyms** [CPL](#)**Gene ID** [9843](#)**mRNA Refseq** [NM_138737.6](#)**Protein Refseq** [NP_620074.4](#)**MIM** [300167](#)**UniProt ID** [Q9BQS7](#) Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified HEPH protein.

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