

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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EEDRHLGILGPVIRAEVGDITQVVFYNRASQPFSMQPHGVFYE KDYEGTVYNDGSS
 YPGLVAKPFEEKVTYRWTVPFHAGPTAQDPACLTWMYFSAADPIRDTNSGLVGPLL
 C RAGALGADGKQKGV DKEFFLLFTVL DENKSWYSNANQAAAMLDFRLLSE DIEGF
 QDSNRMHAINGFLFSN LPR LDMCKGDTVAVHLLGLGTETDVHGV MFQGN TVQLQ
 GMRKGAAMLFPHTFVMAIMQPDNLGT FEIYCQ AGSHREAGMRAIYNVSQCPGHQA
 TPRQRYQAARIYYIMAE EWEWDYCPDRSWEREWHNQSEKDSYGYIFL SNKDGLLG
 SRYKKAVFREYTDGTFRIPRPTGPEEHLGILGPLIKGEVGDILT VVFKNNASRPYSV
 HAHG VLESTTVWPLAAEPGEVVTYQWNIPERSGPGPNDSACVSWIYYSAVDPIKD
 MYSGLVGPLAICQKGILEP HGG RSDMDREFALLFLIFDENKSWYLEENVATHGSQD
 PGSINLQDET FLESNKMHAINGKLYANLRGLTM YQGERVAWYMLAMGQD VDLHTIH
 FHAESFLYRNGENYRADVVDLFPGT FEVVEMVASNP 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

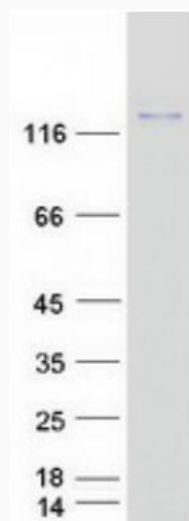
MIM 300167

UniProt ID Q9BQS7

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Coomassie blue staining of purified HEPH protein.

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