Recombinant Human HEPH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HEPH-1759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HEPH MS Standard C13 and N15-labeled recombinant protein (NP_055614) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	130.4 kDa
AA Sequence	MESGHLLWALLFMQSLWPQLTDGATRVYYLGIRDVQWNYAPKGRNVITNQPLDSDI VASSFLKSDKNRIGGTYKKTIYKEYKDDSYTDEVAQPAWLGFLGPVLQAEVGDVILIH LKNFATRPYTIHPHGVFYEKDSEGSLYPDGSSGPLKADDSVPPGGSHIYNWTIPEGH APTDADPACLTWIYHSHVDAPRDIATGLIGPLITCKRGALDGNSPPQRQDVDHDFFLL FSVVDENLSWHLNENIATYCSDPASVDKEDETFQESNRMHAINGFVFGNLPELNMC AQKRVAWHLFGMGNEIDVHTAFFHGQMLTTRGHHTDVANIFPATFVTAEMVPWEP GTWLISCQVNSHFRDGMQALYKVKSCSMAPPVDLLTGKVRQYFIEAHEIQWDYGPM GHDGSTGKNLREPGSISDKFFQKSSSRIGGTYWKVRYEAFQDETFQEKMHLEEDR

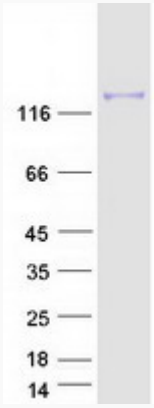
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	HLGILGPVIRAEVGDTIQVVFYNRASQPFSMQPHGVFYEKDYEGTVYNDGSSYPGLV AKPFEKVTYRWTVPPHAGPTAQDPACLTWMYFSAADPIRDTNSGLVGPLLVCRAGA LGADGKQKGVDKEFFLLFTVLDENKSWYSNANQAAAMLDFRLLSEDIEGFQDSNRM HAINGFLFSNLPRLDMCKGDTVAWHLLGLGTETDVHGVMFQGNTVQLQGMRKGAA MLFPHTFVMAIMQPDNLGTFEIYCQAGSHREAGMRAIYNVSQCPGHQATPRQRYQ AARIYYIMAEEVEWDYCPDRSWEREWHNQSEKDSYGYIFLSNKDGLLGSRYKKAVF REYTDGTFRIPRPRTGPEEHLGILGPLIKGEVGDILTVVFKNNASRPYSVHAHGVLES TTVWPLAAEPGEVVTYQWNIPERSGPGPNDSACVSWIYYSAVDPIKDMYSGLVGPL AICQKGILEPHGGRSDMDREFALLFLIFDENKSWYLEENVATHGSQDPGSINLQDET FLESNKMHAINGKLYANLRGLTMYQGERVAWYMLAMGQDVDLHTIHFHAESFLYRN GENYRADVVDLFPGTFEVVEMVASNPGTWLMHCHVTDHVHAGMETLFTVFSRTEH LSPLTVITKETEKAVPPRDIEEGNVKMLGMQIPIKNVEMLASVLVAISVTLLLVVLALGG VVWYQHRQRKLRRNRRSILDDSFKLLSFKQTRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HEPH hephaestin [Homo sapiens (human)]
Official Symbol	HEPH

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Synonyms	HEPH; hephaestin; CPL; KIAA0698; hephaestin
Gene ID	9843
mRNA Refseq	NM_014799
Protein Refseq	NP_055614
MIM	300167
UniProt ID	Q9BQS7
SDS-PAGE	

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