



HEPH peptide (DAG-P0600)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Aug 2013]
Specificity	Detected in breast, colon, bone trabecular cells and fibroblasts.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the multicopper oxidase family. Contains 6 plastocyanin-like domains.
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HEPH hephaestin [Homo sapiens (human)]
Official Symbol	HEPH
Synonyms	HEPH; hephaestin; CPL;
Entrez Gene ID	9843
mRNA Refseq	NM_001130860.3
Protein Refseq	NP_001124332.1

UniProt ID	Q9BQS7
Chromosome Location	Xq11-q12
Pathway	Iron uptake and transport, organism-specific biosystem; Metal ion SLC transporters, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds, organism-specific biosystem;
Function	copper ion binding; ferrous iron binding; ferroxidase activity;