

Product Information

MemDX™ Membrane Protein Human HEPH (Hephaestin) Full Length

Cat. No.: **MPC2584K**

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

This product is a made-to-order Human HEPH membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

HEPH

Protein Length

Full length

Protein Class

Transporter

TMD

1

Sequence

MESGHLLWALLFMQSLWPQLTDGATRVYYLGIRDVQWNYAPKGRNVITNQ
PLDSDIVASSFLKSDKNRIGGTYKKTIYKEYKDDSYTDEVAQPAWLGFLG
PVLQAEVGDVILHLKKNFATRPYTIHPHGVFYEKDEGSLYPDGSSGPLK
ADDSVPPGGSHIYNWTIPEGHAPTADPACLTWIYHSHVDAPRDIATGLI
GPLITCKRGALDGNPQQRQDQVDHDFLLFSVVDENLSWHLNENIATYCS
DPASVDKEDETFFQESNRMHAINGFVFGNLPENLMCAQKRVAWHLFGMGNE
IDVHTAFFHGGMLTTRGHHTDVANIFPATFVTAEMVPWEPGTWLISCQVN
SHFRDGMQALYKVKSCSMAPPVDLLTGKVRQYFIEAHEIQWDYGPMGHG
STGKNLREPGSISDKFFQKSSSRIGGTYWKVRYEAFQDETQEKMHLEED
RHLGILGPVIRAEVGDITQVVFYNRASQPFSMQPHGVFYEKDYEGTVYND
GSSYPGLVAKPFEKVTYRWTVPFHAGPTAQDPACLTWMYFSAADPIRDTN
SGLVGPLLVCRAALGADGKQKGVDFEFLFTVLNENKSWYSNANQAAA
MLDFRLLSEDIEGFQDSNRMHAINGFLFSLNLPRLDMCKGDTVAVHLLGLG
TETDVHGVFMFGQNTVQLQGMKGAAMLFPHTFVMAIMQPDNLGTFEICYCQ
AGSHREAGMRAIYNVSQCPGHQATPRQRYQAARIYYIMAEVEWDYCPDR
SWEREWHNQSEKDSYGYIFLSNKDGLLSRYKKAVFREYTDGTFRIPRPR
TGPEEHLGILGPLIKGEVDILTIVFKNNASRPYSVHAHGVLESTTVWPL
AAEPGEVVITYQWNIPERSGPGPNDSACVSWIYYSADVPIKDMYSGLVGPL
AICQKGILEPHGGRSDMDREFALLFLIFDENKSWYLEENVATHGSQDPGS
INLQDETFLSNKMHAINGKLYANLRGLTMYQGERVAWYMLAMGQDQDLH
TIHFHAESFLYRNGENYRADVDLFPGTFEVVMVASNPGTWLMHCHVTD
HVHAGMETLFTVFSRTEHLSPLTVITKETEKAVPPRDIEEGNVKMLGMQI
PIKNVEMLASVLVAISVTLLLVLALGGVWVYQHRQRKLRRNRRSILDDS
FKLLSFKQ

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

HEPH

Full Name

Hephaestin

Introduction

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.

Alternative Names

HEPH; CPL; Hephaestin

Gene ID

[9843](#)

UniProt ID

[Q9BQS7](#)