OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC223763

Heph (NM_010417) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Heph (NM_010417) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Heph
Synonyms:	C130006F04Rik; Cpl; mKIAA0698; sla
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223763 representing NM_010417 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAGGCAGGCCATCTTCTCTGGGCTTTACTGTTGATGCACTCCTTGTGGTCTATACCAACTGATGGGG CCATTCGAAACTACTACTTGGGCATCCAGGATATGCAGTGGAACTATGCTCCCAAAGGAAGAAATGTCAT CACAAATCAGACTCTCAACAATGACACAGTGGCTTCCAGTTTCCTGAAGTCTGGCAAAAACAGGATAGGG AGTAGTTACAAGAAGACTGTTTATAAGGAATACAGTGATGGCACATACACTGAAGAAATAGCCAAGCCTG CCTGGTTGGGCTTCCTAGGACCACTGTTACAGGCTGAGGTGGGGGATGTCATCTTGATTCACCTGAAGAA TTTTGCGAGCCGACCTTACACCATTCACCCTCACGGTGTTTTTTATGAGAAGGACTCAGAAGGCTCACTA TACCCAGATGGTTCTTCTGGGTATCTGAAAGCGGATGATTCTGTCCCCCCTGGGGGCAGCCATGTCTACA ACTGGAGTATTCCAGAAAGTCATGCCCCCACTGAGGCAGACCCAGCATGCCTCACCTGGATTTACCACTC GCATGTAGATGCTCCAAGAGACATTGCAACTGGTCTCATTGGACCTCTTATCACCTGTAAAAGAGGGACC CTGGATGGTAATTCCCCACCTCAGAGGAAGGATGTGGACCATAATTTCTTCCTCCTCTTCAGTGTGATAG ATGAGAACCTTAGCTGGCACCTTGATGACAACATTGCTACTTACTGCTCAGACCCTGCCTCGGTGGACAA AGAAGATGGAGCCTTTCAAGACAGCAACAGGATGCATGCAATCAATGGGTTTGTCTTTGGGAACTTACCA GAGTTGAGCATGTGTGCACAGAAGCATGTGGCCTGGCACTTGTTTGGCATGGGCAATGAAATAGATGTCC ACACAGCTTTCTTCCATGGACAGATGCTGAGTATCCGTGGACACCACACTGATGTTGCAAACATTTTTCC AGCTACCTTTGTGACTGCTGAGATGGTGCCCCAAAAGTCTGGAACCTGGCTAATTAGCTGTGAAGTGAAC AGCCACTTGAGAAGTGGCATGCAGGCCTTCTACAAGGTTGACTCTTGCTCCATGGACCCACCTGTGGACC AGCTCACTGGCAAAGTTCGTCAGTACTTCATTCAGGCCCATGAGATTCAATGGGACTATGGTCCAATAGG GTATGATGGCAGAACTGGGAAGAGTTTGAGAGAGCCAGGAAGTGGCCCAGATAAGTACTTCCAGAAGAGC TCTAGTCGAATTGGAGGTACTTACTGGAAAGTTCGATATGAAGCCTTTCAAGATGAGACATTCCAGGAAA GGGTACATCAGGAAGAAGAAACACATCTTGGAATACTGGGACCAGTGATAAGGGCTGAAGTGGGTGACAC CATCCAGGTGGTCTTCTATAACCGTGCCTCCCAGCCATTCAGCATACAGCCCCATGGTGTCTTTTATGAG AAAAACTCTGAGGGCACCGTGTACAATGATGGCACATCTCATCCCAAAGTAGCCAAGTCATTTGAAAAAG

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TCACATACTACTGGACGGTTCCTCCCCATGCTGGGCCCACTGCTCAGGATCCTGCCTGTCTAACCTGGAT
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ATTGCTCTGGCTCTTGGTGGTGTAGTCTGGTACCAGCATCGACAAAGAAAGCTTCGGCGCAACAGGAGGT
CCATTCTTGATGATAGCTTCAAGCTTCTCTCTCTCAAGCAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010417

Insert Size: 3474 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_010417.2, NP_034547.2
RefSeq Size:	4693 bp
RefSeq ORF:	3474 bp
Locus ID:	15203
UniProt ID:	Q9Z0Z4
Cytogenetics:	X 42.69 cM
Gene Summary:	May function as a ferroxidase for ferrous (II) to ferric ion (III) conversion and may be involved in copper transport and homeostasis. Implicated in iron homeostasis and may mediate iron efflux associated to ferroportin 1.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Both variants 1 and 3 encode the same isoform.