

Product datasheet for **MC222040**

Heph (NM_181273) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Heph (NM_181273) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Heph
Synonyms:	C130006F04Rik; Cpl; mKIAA0698; sla
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222040 representing NM_181273
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGGCAGGCCATCTTCTCTGGGCTTTACTGTTGATGCACTCCTTGTGGTCTATACCAACTGATGGGG
 CCATTCGAAACTACTACTTGGGCATCCAGGATATGCAGTGGAACTATGCTCCCAAAGGAAGAAATGTCAT
 CACAAATCAGACTCTCAACAATGACACAGTGGCTTCCAGTTTCTGAAAGTCTGGCAAAAACAGGATAGGG
 AGTAGTTACAAGAAGACTGTTTATAAGGAATACAGTGTGGCACATACACTGAAGAAATAGCCAAGCCTG
 CCTGGTTGGGCTTCTAGGACCACTGTTACAGGCTGAGGTGGGGGATGTCATCTTGATTCACCTGAAGAA
 TTTTGGCAGCCGACCTTACACCATTACCCCTCACGGTGTTTTTATGAGAAGGACTCAGAAGGCTCACTA
 TACCCAGATGGTCTTCTGGGTATCTGAAAGCGGATGATTCTGTCCCCCTGGGGCAGCCATGTCTACA
 ACTGGAGTATCCAGAAAGTCATGCCCCACTGAGGCAGACCCAGCATGCCTCACCTGGATTTACCACTC
 GCATGTAGATGCTCAAGAGACATTGCAACTGGTCTCATTGGACCTTTATCACCTGTAAGAGGGGACC
 CTGGATGGTAATCCCCACCTCAGAGGAAGGATGTGGACCATAATTTCTTCTCCTTTCAGTGTGATAG
 ATGAGAACCTTAGCTGGCACCTTGATGACAACATTGCTACTTACTGCTCAGACCCCTGCCTCGGTGGACAA
 AGAAGATGGAGCCTTTCAAGACAGCAACAGGATGCATGCAATCAATGGGTTTGTCTTTGGGAACTTACCA
 GAGTTGAGCATGTGTGCACAGAAGCATGTGGCCTGGCACTTGTGGCATGGGCAATGAAATAGATGTCC
 ACACAGCTTTCTCCATGGACAGATGCTGAGTATCCGTGGACACCACACTGATGTTGCAACATTTTTCC
 AGCTACCTTTGTACTGCTGAGATGGTGGCCAAAAGTCTGGAACCTGGTAATTAGCTGTGAAGTGAAC
 AGCCACTTGAGAAGTGGCATGCAGGCCTTCTACAAGTTGACTCTTGTCCATGGACCCACCTGTGGACC
 AGCTCACTGGCAAAGTTCGTCACTACTTCACTCAGGCCATGAGATTCAATGGGACTATGGTCCAATAGG
 GTATGATGGCAGAAGTGGGAAGAGTTTGAGAGAGCCAGGAAGTGGCCAGATAAGTACTCCAGAAGAGC
 TCTAGTCGAATTGGAGGTAATGCTGAAAGTTGATATGAAGCCTTTCAAGATGAGACATTCCAGGAAA
 GGGTACATCAGGAAGAAGAAACACATCTTGAATACTGGGACCAGTGATAAGGGCTGAAAGTGGTGACAC
 CATCCAGGTGGTCTTCTATAACCGTGCCTCCAGCCATTACAGCATAACAGCCCATGGTGTCTTTATGAG
 AAAAAGTCTGAGGGCACCGTGTACAATGATGATCCACAAGAGATACAAATCTGGCCTGGTGGGCCCTC
 TACTGGTGTGCAAGGCTGGGGCCTTGGGTGCAGATGGCAAGCAGAAAGGAGTGGATAAAGAATTTTTCT
 CCTCTTCACTGTGTTGATGAGAATGAGAGCTGGTACAACAATGCCAATCAGGCAGCTGGTATGTTGGAT
 TCCCGACTGCTCTCAGAGGATGTGAGGGCTTCCAGGACTCCAATCGAATGCATGCTATTAATGGATTTT
 TGTCTCTAACCTGCCAGGCTGGACATGTGCAAGGGTGATACTGTGGCCTGGCACCTGCTTGGCCTGGG
 CACAGAGACTGATGTACATGGGGTAATGTTGAGGGCAACACTGTGCAGCTTCCAGGGCATGAGGAAAGGT
 GCAGTCATGCTCTTCTCACACCTTGTGACGGCCATCATGCAGCCTGACAATCCTGGAATATTTGAAA
 TCTACTGCCAAGCAGGCAGCCACCGAGAGGAAGGGATGCAGGCAATTTATAATGTCTCTCAGTGTCTAG
 TCATCAAGACAGCCACGCCAACACTACCAAGCTTCAAGAGTCTACTATATCATGGCAGAAGAGATAGAG
 TGGGATTACTGCCTGATAGAAGCTGGAACTGGAATGGCATAACACATCTGAGAAAGACAGCTATGGCC
 ATGTTTTCTGAGCAATAAAGATGGGCTCCTGGGTTCCAAATATAAGAAAGCTGTATTACAGGAATACAC
 TGATGGTACTTTTCAAGTACCTCGCCAAAGTCTGGACCAGAGGAGCATTGGGAATCCTGGGTCACCT
 ATCAGAGGAGAGGTTGGTATATCTTACTGTAGTGTTCAAGAATAAGGCCAGTCGACCATATTCTATAC
 ATGCCATGGAGTCTAGAACTAACACTGGCGGCCACAGGCTGCTGAGCCTGGTGGAGTGGAGCACTT
 AATGAAGAGACAAAGGCTTTACAATCCTTTTACTTTAGTCTTCTGGTTTATTCTTTCAACATATTACAT
 TCTTGGGCTGGCAGGTCACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_181273
 Insert Size: 2544 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:	<ol style="list-style-type: none">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_181273.4 , NP_851790.1
RefSeq Size:	3931 bp
RefSeq ORF:	2544 bp
Locus ID:	15203
UniProt ID:	Q9Z0Z4
Cytogenetics:	X 42.69 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and uses an alternate 3' splice pattern, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.</p>