

Product datasheet for **MC223779**

Heph11 (NM_001164797) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Heph11 (NM_001164797) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Heph11
Synonyms:	Gm509; Zp; zyklopen
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223779 representing NM_001164797 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCTGAAGCAGCCGGGTGGCTGCATCCTTCTCCAGTTCCTGGGTCTGCTTGGACTAGTTGGTGCAG
TCACCAGAACATACTACATTGGGATTGTGGAGGAATACTGGAACATGTGCCTCAAGGGAAGGATGTTAT
TACCGGGAAGAGTTTCTCAGAAGACAACTTGGCACCCTATTTCTGGAGCGAGGGCCCAACAGGATAGGT
GGGATCTACAAGAAGCGGTTTATAGACACTTCACAGATGGGAGCTACTCCACGGAGATCCCAAACCC
CCTGGCTGGGTTTCTGGTCCCATCCTGAGGGCAGAAGTGGGAGACGTGATCGTTATCCACCTGATGAA
CTTTGCTTCCAGACCTTCTCTTTGCACCCTCACGGTGTTCCTACGACAAGGATTCGGAAGGAGCCTTA
TACCCAGATGGGACATCTGGAAGGAACAAGGAAGATGACATGGTCCCCCTGGCAAAAACACACCTATG
TCTGGCCAGTGAGAGAAGAATATGCACCTGCTCCAGCAGATGCCAACTGCCTGACCTGGGTGTACCACTC
ACACATTGATGCCCTAAGGATATCTGCTCTGGGCTAATTGGCCCCCTGCTGGTGTGAAGGAAGGTGTA
CTGAATAGATACTCAGGGATGAGGACTGATGTGGACCGAGAGTTTGTATCATGTTCACTCTTGTGGATG
AGAACCAGAGCTGGTATCTGGATGACAACATCAAGCAATCTGCACTAATCCAAATCCGTTGACAAAAG
TGATGCTGTTTTCCAGAGGAGCAACAAGATGCATGCCCTCAATGGATTCTTTTTGGAAACATGCCTGAG
CCTGAGATGTGCGTTGGCGAATCTGTCTGGCACCTGTTGGGATGGGGAATGAGATAGACATCCATT
CCATCTATTTTTATGGTAACACCTTCATCACCAGAGGGCACCGGGCAGATGTTGTCAACCTGTTCCAGC
TACCTTCTCACAAACAGAAATGATAGTGGAGAATCCTGGGAAATGGATGATAACCTGCCAAGTCAGTGAC
CACCTGCAAGCTGGTATGCTGGGACAGTACAGCGTGGGCAACTGCAGGGTAATGCTCCTCACCCAAAGG
TGCAGGGTCAACAGCGCGCTACTTCATAGCGGCTGAAAAGTCTCTGGGATTATGGTCCCAAGGCTA
TGATAAATTCAGTGGATTTCCCTGAATACATCTGGCAGTACTGTCAGTGTACTTCACACAAGCTGAC
AACAGAATAGGAGGAAAAATTGGAAGGCTCGGTACACGGAGTATGTTGATGCCACTTTCAGTAGAAGAA
AGATGCCCTCTGATTGAGAAGCCATCTTGAATCCTTGGTCCAGTCATCAAAGCAGAGGTGGGTGACAT
CCTGCTAGTGACCTTTGCCAACAAAGCTGACAAAGTCTACAGCATTTACCCATGGCGTGTCTATGAC



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AAAGCATCAGATGCAGCTCCAAATGTAGATGGATTTCTGAAACCAGGGGCTCACGTCAAGCCAGGTGAAA
 CCTTCACCTACAGGTGGACAGTCCAGAAAGCGTCAGCCCAGACAGATGAAGACCCCCGTCCTGACCTA
 TCTTTACTTCTCAGCGGTCCAGCCTATCAAGGACACTAGTGTGGGCTTGTGGGGCCTTTGTTGGTCTGC
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 ATATGCATGGAGTTTATTTCCAAGGCAACACCATCCACCTACGAGGGACTCATCGTACTCCCTGGCTCT
 GTTTCCCATATGGCCACAACGGCATACATGCAGCCAGACCATTAGGTATTTTCAAGGTGTTCTGTTCC
 ACCTTACCCCACTTACGAGAGGCATGGGTGAGATCTATGAGATCAGCAGCTGTGGCAACAGGGACCCTT
 CTGAGCCGCCCTACGGGATGCTAAGAACCTTTTTCATCGCCGCTGAAGAGGTAGAATGGGATTATGCCCC
 TAACAAAAGTGGGAGTTCGAAAAGCAGCACTGGACGCAGGAGGGGAAAGACATGGAGATATATTTATG
 AACCACTGAAAAGTGGATTGGCTCTCAGTACAGGAAGTTGTTTATAGGAATATACAAATGGAGAAT
 TTGTGGAGATTAAGCTCGCCACCTCAAGAAGAGCACCTTCAACTCCTGGGACCAATGATTATGCTGA
 GGTGGGGACTCCATTCTATTATCTTTAAGAACAAGCCAGCCGCCCTACTCCATTGCAGCCCAAGT
 GTGGAGGACTCAAACAATGGAAAACCTTAATGTGCCTGTACAAAAGCCAGGAGAAATCAAACCTTACA
 GATGGAATGTCCCGAAGAGATCCGGTCTGGGCCCTCTGATCCCAATTGTATTCCATGGGTTTACTTTTC
 AACAGCAAATTTGTGAAGGATACATACAGTGGTTTGTGGGGCCTCTGATCACATGTCGAGAGGGGGTG
 CTAACGAAAAGGGAAGAAGAAGCGATGTTGACTATGAGTTTGCCTGTTGTTCTTGGTCTTCAATGAGA
 ATGAGTCAATGATCTGGATGACAATATCAAGAAGTATCTCAATAAAGATCCACGGGATTTCAGCACAC
 AGACGACTTTGAAGAGAGCAACAAAATGCATGCCATTAATGGAAGATTTTGGAAACCTCCCTGGTCTC
 ATAATGACTGAAGACTCAATGACTAAGTGGTATCTGCTGGCATCGGAAGTGAAGTGGACATACACAAA
 TCCATTACCATGCAGAGAGCTTTCTGTTCAAAAATAGATAAGTCTACCGAGAAGATGTGTATGATCTTT
 TCCTGGGACATTTCAAACCATTTGAGCTGTTTGTGATCACCCAGGAACATGGCTTCTTCACTGCCATGTG
 TCCGACCACATTCATGCTGGCATGGAGACCACCTACACTGTCTCAGGAACATAGACAACAGGATCCAT
 ATTCTACCAAGACGCCTTCTGGAGCAGGATCTCACGCAGTACAGTGCCTCCCAGGAACAACCTGGCAA
 GGAAGAGCTCTATTTCTTTGGCAAGAATCTGCGTCCAAGAGGAGCAAGGCAGCCCTGGTATCCTTTTC
 ATCCTGGGACTCCTCTTCTAGTGGCCACCGTGGTTCTCGCCCTCAGACTCCGATCTTCAAGGAGGCAGA
 TGGCTTACAGGGAAGTCCAGTCTGTGCACTCCCCACGGATGCTCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164797
- Insert Size:** 3480 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_001164797.1](#), [NP_001158269.1](#)

RefSeq Size: 5261 bp

RefSeq ORF: 3480 bp

Locus ID: 244698

UniProt ID: [Q3V1H3](#)

Cytogenetics: 9 A2

Gene Summary: May function as a ferroxidase and may be involved in copper transport and homeostasis.
[UniProtKB/Swiss-Prot Function]