

## Product datasheet for RN217498

### Heph11 (NM\_001191993) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Heph11 (NM_001191993) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Heph11
Synonyms:	RGD1564835
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217498 representing NM_001191993 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTCTGAAGCAGCCAGGTGGCTGCATCCTTCTTGAGTTCCTGGGTCTGCTTGGACTGGTTGGTGCAG  
TCACCAGAACATACTACATTGGGATTGTGGAAGAATACTGGAACATGTGCCTCAAGGGAAGGATGTTAT  
TACTGGGAAGAGCTTCTCGGAAGACAACTTGCACCTTATTTCTGGAGCGAGGGCCCAACAGGATAGGT  
GGCATCTACAAGAAGCGGTTTATAGACACTTCACAGATGGGAGCTACTCCACCGAGATCCCTAAGCCCC  
CCTGGCTGGGTTCTGGTCCCATCTGAGGGCAGAAGTGGGCGACGTGATCGTTATCCACTTGAGAGC  
CTTATATCCAGATGGGACGTCTGGAAAGAACAAGGAGGATGACATGGTCCCCCTGGCAAAAACACACC  
TATGTCTGGCCGGTGAGAGAAGAATATGCACCCGCTCCGGCAGATGCCAACTGCCTGACCTGGGTGTACC  
ACTCACACATTGATGCCCAAGGATATCTGCTCTGGGCTAATTGGACCTTGCTGGTGTGTAAGGAAGG  
TGTAAGTGAACAGACACTCAGGGCGAGGACTGACGTGGACCGAGAGTTTGTATCATGTTCACTCTGGTG  
GATGAGAACCAGAGCTGGTACCTGGATGACAACATCAGGCAGTTCTGCACTAATCCCAGTTCTGTTGACA  
AAAGCGACGCTGTTTTCCAGAGGAGCAACAAGATGCATGCCCTCAATGGATTCTTTTTGGAAACTTGCC  
CGAGCCTGAGATGTGTTGGTGAATCTGTGCTGCCACCTGTTGGGATGGGAATGAGATAGACATC  
CATTCCATCTATTTTTATGGTAACACCTTCATCACCAGAGGACCGGGCGGATGTTGTCAACCTGTTTC  
CAGCCACGTTCTCACAACAGAAAATGATAGTGGAGAATCCTGGGAAATGGATGATAACTTGCCAAGTTAG  
TGACCACCTGCAAGCTGGCATGTGAGGACAGTACAATGTGGGTAAGTGCAGGGTAATGCTCCTCACCCG  
AAGATGCGGGGCCAACAGAGGCGCTACTTCATAGCGGCTGAAAAAGTCTCTGGGATTACAGTCCCCAGG  
GCTACGATAAGTTCAGTGGATTTCCCCTGAATACATCTGGCAGTGACTCTGCAGTGTACTTCACACAAGC  
TGACAACAGAATAGGAGGAAAATATTGGAAGGCTCGGTACACGGAGTACGTGGATGCCACTTTCAGTAGA  
AGAAAGATGCCCTCAGATTCAGAAGCCCATCTTGAATCCTCGGTCCAGTCATCAAGGCAGAGGTGGGTG  
ACATCCTGCTAGTGACCTTTGCCAACAAAGCTGACAAGGTCTACAGCATTTTACCCCATGGTGTGTTCTA  
TGACAAGGCATCGGATGCAGGGCCGAATGTTGATGGATTTCTGAAACCAGGGGCTCATGTCAAGCCCGGT



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GAAACCTTCACCTACCGGTGGACAGTGCCAGAAAGCGTCAGCCCAGACAGATGACGACCCCCCGTGCCTGA  
 CCTATCTTTATTTCTCAGCGGTACAGCCGATCAAGGACACTAGTCTGGGCTTGTGGGCCTTTGTTGGT  
 CTGCAAAAAGGGCAGCTCAATGCCGATGGGACACAGAAAGGAATAGACAAGGAGTTTTACTTGGCATCCCTTCA  
 ACAGTCTTTGATGAGAATTTTCAGCAGCTATCTTGATGAAAACATCCAGAAGTTTACTTGGCATCCCTTCA  
 GTGTGACAAAAGAAGACAAGGAGTTCGTGAAATCCAACCGGATGCATGCTATTAATGGCTACATGTATGG  
 CAACGACCCAGGCCTAAGCATGTGCAAGAAGGACAGAGTTTCTGGCACTTAATTGGAATGGCACCAGC  
 ACAGACATGCATGGAGTTTATTTCCAAGCAACACCATCCACCTACGAGGGACTCATCGGGACTCCTTGG  
 CTCTGTTTCCCCATATGTCCACAACGGCATTTCATGCAGCCAGACCATTTCAGGTATTTTCAAGGTGTTCTG  
 CTCCACCTTGACCACCTCACGAGAGGCATGGGTGAGTCTATGAGGTGACGAGCTGTGGCAACAGGGAC  
 CCTTCTGAGCCGCCCTACGGGATGCTAAGAACCTTTTACATCGCCGCTGAAGAGGTAGAATGGGATTATG  
 CCCCTAACAAAACTGGGAGTTCGAAAAGCAGCACTTGGACGCAGGAGGGGAAAGACATGGAGATATATT  
 TATGAACCACACTGAAAACCTGGATTGGCTCTCAGTACAGGAAGGTGGTTTATAGGAATACACAAACGGA  
 GAATTTGTGGAGATTAAGCCCGGCCACCTCAAGAGGAGCACCTTCAACTCCTGGGACCAATGATCCATG  
 CTGAGGTGGGGACTCCATTCTCATTATCTTTAAGAACAAGCCAGCCGGCCCTACTCCATCACAGCCCA  
 GGGTGTGGAGGACTCAGACAGTGGAAAATTCCTTGACGTGCCAGTCACAAAGCCAGGGGAAATAAAAACG  
 TACAGATGGAATGTCCAAAGAGATCAGGTCTGGGCCCTCTGATCCCAACTGTATCCCCTGGGTGACT  
 TTTCAACAGCAAACTTTGTGAAGGATACGTACAGTGGGTGATGGGGCCTCTGATCACATGCCGAGAGGG  
 GGTGCTAAACGAGAAGGGGAGAAGAAGTACGTTGACTACGAGTTTGGCGTGCTCTTCTGGTCTTCAAT  
 GAGAACGAGTCGTGGTATCTGGATGACAACATCAAGAAGTACCTCAACAAAGATCCACGGGATTTACGGC  
 ACACCGATGACTTTGAAGAGAGCAACAGAATGCACGCCATTAATGGAAAGATTTTGGAAACCTCCCTGG  
 CCTCATAATGACTGAAGACTCAATGACCAACTGGTATTTGCTGGGCATCGGAAGCGAAGTGGACATACAC  
 ACGATCCATTACCATGCAGAGAGCTTTCTGTTCAAATGATAAGTCTACCGAGAAGATGTGTATGATC  
 TCTTTCTGGGACATTTCAAACCATCGAGCTGTTTGTGATCACCCGGGACGTGGCTCCTTCACTGCCA  
 CGTGTCCGACCACATCCATGCTGGCATGGAGACCACGTACACTGTCCTCAGGAACATAGACAACAGGATT  
 CCATATTTCTACCAAGTCCCCTTCTGAGAGGACCCCATGCAGTACAGTGCCCTCCCAGGAACAACCTG  
 GACAGGAAGACCTCTACTTCTTTGGCAAGAGTCTGCGTCCAAGAGGAGCCAAGGCAGCGCTGGTATCCT  
 TTTTCATCTGGGACTCCTCCTCTGGTGGCCACCGTGATTCTCGCCCTCAGACTCCGCTCTTCAAGGAGG  
 CAGATGGCTTACAGGGAGGTCCAGTCTGTGCACTCCCCACAGATGCTCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001191993
- Insert Size:** 3414 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001191993.1](#), [NP\\_001178922.1](#)

**RefSeq Size:** 3414 bp

**RefSeq ORF:** 3414 bp

**Locus ID:** 500946

**Cytogenetics:** 8q12