

## Product datasheet for **MC217117**

### **Hars (NM\_008214) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hars (NM_008214) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hars
Synonyms:	MMHRS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217117 representing NM\_008214  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCAGATCGTCTGCTCTGGAGGAGCTGGTACGACTCCAGGGAGCGCATGTGAGGGCCCTTAAGGAGC  
AGAAAGCGTCCGCTGAGCAGATCGAGGAGGAGGTGACGAACTCCTAAAAGTGAAGGCACAGCTGGGCCA  
GGATGAAGGCCAAACAGAAGTTTGTGCTCAAAACCCCAAGGGCACGAGAGACTATAGTCCCGGCAGATG  
GCGGTCCGGGAAAAGGTGTTGATGTCATCATCCGCTGTTTCAAACGCCATGGAGCAGAAGTGATTGATA  
CACCTGTGTTGAACTAAAGGAAACACTGACTGGAAGTACGGAGAAGACTCAAAGCTTATCTATGACTT  
GAAGGACCAGGGTGGGAGCTGCTGTCCCTCCGTTATGACCTTACTGTCCCTTTTCTCGCTATCTGGCA  
ATGAATAAACTGACCAACATTAACGCTACCATATAGCAAAGGTGATCGCCGGGACAACCCAGCTATGA  
CCCAGGGCGTTACCGTGAATTCTATCAATGCGATTTTGACATTGCCGGACAGTTCGACCCCATGATTCC  
TGATGCAGAGTGCCTAAAGATTATGTGCGAGATCCTGAGTTCACCTCAGATCGGCAACTTCTGGTCAAG  
GTAACACGACAGGCGCATCTAGATGGGATGTTTGTCTGTCTGTGGTGTTCCTGATAGCAAGTTCCTACCA  
TCTGCTCCTCGGTGGACAAGCTAGACAAGTTCCTGGGAGGAAGTGAAGAATGAGATGGTGGGAGAGAA  
GGGCCTTGACCCGGAAGTGGCTGATCGCATCGGGACTATGTCCAGCAGCATGGTGGGGTTTCTCTGGTG  
GAGCAGTTACTGCAGGATCCTAACTCTCCAAAACAAACAGGCTGTAGAGGGCTTGGGAGACCTAAAGC  
TGCTCTTTGAGTATCTAATCCTGTTTGGCATTGATGACAAGATCTCCTTTGACCTGAGCCTTGGTGGGG  
GCTAGACTACTATACTGGGGTCACTATGAGGCAGTGTCTACAGATGCCAACCAAGCTGGGGAAGAG  
CCCCTGGGTGTGGCAGCATAGCTGCTGGAGGGCGCTACGATGGCCTGGTTGGCATGTTTGACCCCAAGG  
GGCGCAAGGTGCCATGCGTTGGGCTCAGTATTGGAGTGGAGCGGATCTTTCCATTGAGCAAGATT  
AGAGGCTTCAGAGGAAAAGGTACGGACCACAGAGACGCAGGTGCTTGTGGCATCTGCACAGAAGAAGCTG  
CTGGAGGAGAGACTGAAGCTTGCTCAGAGTTATGGGATGCTGGGATCAAGGCTGAGCTGCTGTACAAGA  
AGAACCCGAAGTTACTAAACAGTTGCAGTACTGTGAGGAGGCAGGCATCCCACTGGTGGCCATCATTGG  
TGAGCAGGAACTCAAGGATGGCGTCATCAAGCTCCGCTCGGTGGCCAGCAGAGAGGAGGTGGATGTCCGA  
AGAGAAGACCTTGTGGAGGAAATCAGAAGAAGAACAATCAGCCCTCTCCACCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_008214

**Insert Size:** 1530 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\\_008214.4](#), [NP\\_032240.3](#)

**RefSeq Size:** 1999 bp

**RefSeq ORF:** 1530 bp

**Locus ID:** 15115

**UniProt ID:** [Q61035](#)

**Cytogenetics:** 18 B2

**Gene Summary:** Cytoplasmic histidine--tRNA ligase. Plays a role in axon guidance.[UniProtKB/Swiss-Prot Function]