

## Product datasheet for **MC217567**

### **Hpse (NM\_152803) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hpse (NM_152803) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hpse
Synonyms:	H; Hpa; Hpr1; HSE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_152803, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAGGCTGCTGCTGCTGTGGCTCTGGGGGCCGCTCGGTGCCCTGGCCAGGGCGCCCCGCGGGGA
CCGCGCCGACCGACGACGTGGTAGACTTGGAGTTTTACACCAAGCGGCCGCTCCGAAGCGTGAGTCCCTC
GTTCTGTCCATCACCATCGACGCCAGCTGGCCACCGACCCGCGTTCCCTCACCTTCTGGGCTCTCCA
AGGCTCCGTGCTCTGGCTAGAGGCTTATCTCTGCATACTTGAGATTTGGCGGCACAAAGACTGACTTCC
TTATTTTTGATCCGGACAAGGAACCGACTTCCGAAGAAAGAACTTACTGAAATCTCAAGTCAACCATGA
TATTTGCAGGTCTGAGCCGGTCTCTGCTGCGGTGTTGAGGAACTCCAGGTGGAATGGCCCTTCCAGGAG
CTGTTGCTGCTCCGAGAGCAGTACAAAAGGAGTTCAAGAACAGCACCTACTCAAGAAGCTCAGTGGACA
TGCTCTACAGTTTTGCCAAGTCTCGGGTTAGACCTGATCTTTGGTCTAAATGCGTTACTACGAACCCC
AGACTTACGGTGAACAGCTCCAACGCCAGCTTCTCCTTGACTACTGCTTCCAAGGGTTATAACATC
TCCTGGAACTGGGCAATGAGCCCAACAGTTTCTGGAAGAAAGCTCACATTCTCATCGATGGGTTGCAGT
TAGGAGAAGACTTGTGGAGTTGCATAAATTCTACAAAGGTGAGCTTTCCAAAATGCAAACTCTATGG
TCCTGACATCGGTGAGCTCGAGGGAAGACAGTTAACTGCTGAGGAGTTTCTGAAGGCTGGCGGAGAA
GTGATCGACTCTTTACATGGCATCACTATTACTTGAATGGACGCATCGCTACCAAGAAGATTTTCTGA
GCTCTGATGTGCTGGACACTTTTATTCTCTGTGCAAAAAATTTCTGAAGGTCACTAAAGAGATCACACC
TGGCAAGAAGGTCTGGTTGGGAGAGACGAGCTCAGCTTACGGTGGCGGTGCACCCCTTGTGTCCAACACC
TTTGCAGCTGGCTTTATGTGGCTGGATAAATTGGGCTGTGAGCCAGATGGGCATAGAAGTCGTGATGA
GGCAGGTGTTCTCGGAGCAGGCACTACCCTTAGTGGATGAAAATTTGAGCCTTTACCTGATTACTG
GCTCTCTCTGTTCAAGAACTGGTAGTCCCAGGGTGTACTGTCAAGAGTGAAGGCCAGACAGG
AGCAAACCTCCGAGTGTATCTCCACTGCACTAAGCTCTATCACCCAGATATCAGGAAGGAGATCTAACT
TGATGTCTGAACCTCCATAATGTACCAAGCACTTGAAGGTACCGCCTCCGTTGTTGAGGAAACAGT
GGATACGTACCTTCTGAAGCCTTCGGGGCCGGATGGATTACTTTCCAAATCTGTCCAACCTGAACGGTCAA
ATTCTGAAGATGGTGGATGAGCAGACCCTGCCAGCTTTGACAGAAAACTCTCCCCGAGGAAGTGCAC
TAAGCCTGCCTTTTCTATGGTTTTTTGTCATAAGAAATGCCAAATCGCTGCTGTATATGA
    
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**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_152803

**Insert Size:** 1608 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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:** [BC138782](#), [AAI38783](#)

**RefSeq Size:** 1791 bp

**RefSeq ORF:** 1608 bp

**Locus ID:** 15442

**UniProt ID:** [Q6YGZ1](#)

**Cytogenetics:** 5 E4

**Gene Summary:** This gene encodes an endoglucuronidase enzyme that plays an important role in tumor invasion and metastasis. The encoded preproprotein undergoes proteolytic processing to generate an active heterodimeric enzyme that cleaves the heparan sulfate proteoglycans associated with the cell surface and extracellular matrix. Mice lacking the encoded protein do not show any prominent pathological alterations under normal conditions but fail to develop albuminuria and renal damage in response to drug-induced diabetes. [provided by RefSeq, Aug 2016]