

## Product datasheet for **MC208733**

### Hus1 (NM\_008316) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hus1 (NM\_008316) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hus1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208733 representing NM\_008316  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTTTCGCGCCAAGATCGTGGACCTGGCTTGCTGAATCATTTACACGAGTCAAGTAACATGATAG  
CCAAGCTTGCCAAAACCTGCACCCTCCGCATCAGCCCGGAGAAGCTGAACCTCATCCTGTGCGACAAGCT  
GGCCAGTGGAGGGGTGAGCATGTGGTGTGAGCTGGAGCAGGAGAAGCTTTTTAGTGAATTTCAAATGGAA  
GGAGTCTCTGAAGAAAACAACGAGATTTATTTAGAATTAACGTCGAAAACTTATCTCGAGCCTGAAAA  
CTGCCAGAAGTCCAGAGCCTTGAAAATCAAGCTGACTAACAAACACTTCCCTGTCTTACCGTGTCTGT  
AGAGCTGCAGGTGTCTTCATCGAGCAGCAGCAGAATCGTGGTGCATGATATCCCCATAAAGGTTCTTCCG  
AGAAGACTGTGGAAGGACTTACAAGAACCCTCCATCCCAGACTGTGACGTCAAGTATTTGCTTACCAGCCT  
TGAAGATGATGAAGAGTGTGTGGAAAAATGAGAAACATCAGCAATCAGCTTGTGATTGAAGCAAACCT  
AAAGGGAGAATTAACCTAAAGATAGAACTGAGTTAGTGTGTGACTACTCATTTTAAGGATCTTGAA  
AACCTCTATTACCCTCTGACAGTGTCTCTCAAAACAGACACCCAGAAGACATGGCCAAGGTGCACATTG  
ACATAAAGAACTCCTCCAGTTTCTTGGCCGACAGCAAGTACTCCACCAAGGCAGTGTGCAATATTGT  
GAATAACAGAAGTGTTCATTTGATTTGCTCCTGGAAGACGTCTCCCTTCAGTATTTATCCAGCCTTG  
TCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_008316  
**Insert Size:** 846 bp



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**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\\_008316.5](#), [NP\\_032342.1](#)

**RefSeq Size:** 4656 bp

**RefSeq ORF:** 846 bp

**Locus ID:** 15574

**UniProt ID:** [Q8BQY8](#)

**Cytogenetics:** 11 5.74 cM

**Gene Summary:** This gene encodes a component of a cell cycle checkpoint complex that causes cell cycle arrest in response to bulky DNA lesions and DNA replication blockage. Together with the proteins Rad9 and Rad1, the encoded protein forms a heterotrimeric complex known as the 9-1-1 complex. Mice lacking the encoded protein develop spontaneous chromosomal abnormalities resulting in embryonic lethality. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2015]  
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.