

## Product datasheet for MR211533

### Herc3 (NM\_028705) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Herc3 (NM_028705) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Herc3
Synonyms:	5730409F18Rik; AI646603; mKIAA0032
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211533 representing NM_028705 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTATGTTGGGGTATTGGTCTCTGGGCCAACCAGGCATCAGCTCCAACCTGCAAGGAATCGTGGCTG  
AGCCCCAGGTGTCCGCTTTGTATCGGACAGAAGCATCAAGGAAGTGGCGTGGGAGGAAACCACTCCGT  
GTTCTGTGGAGGACGGGGAGGTTTACACGTGTGGAGTAAACACCAAGGGCAGCTTGGCCATGAGAGG  
GAAGGTAACAAGCCAGAACAATTGGAGCATTAGCTGATCAGCATATCATACACGTGGCATGTGGCGAGT  
CACACAGTCTGGCTCTCAGTGACCGGGTCTCAGTGTCTTCTGGGGTGCAGGAAGTATGGCCAAGTGGG  
CCTCATGACTACTGAGGATCCGTGGCTGTGCCAGGCTAATCCAGAACTGAACCAAGCAGACCATATTA  
CAAGTTTCCTGTGGCAACTGGCACTGCTTGGCTCTGGCAGCTGATGGCCAGTTCTTCACATGGGGGAAGA  
ACAGCCATGGACAGCTGGGACTGGGGAAGGAGTCCCCTCCAAACCAGCCACAGAGGGTGGAGTCTTT  
GGAAGGGATCCCGCTGGCTCAGGTGGCTGCAGGAGGGGCTCATAGCTTTGCCCTGTCTCTCGGGAGCT  
GTTTTGGCTGGGGAATGAATAATGCAGGGCAGCTAGGGCTCAGTGATGAAAAAGACCGGGAGTCTCCAT  
GCCACGTGAAGCTTTACGCACACAGAAAGTCGTCTATATTAGTTGTGGAGAGGAGCACACAGCAGTTCT  
CACAAAGAGTGGGGCGTGTACCTTTGGTGTGGCTCCTGTGGCAGCTTGGACATGACTCGGTGAAT  
GATGAAGTTAATCCGAGAAGAGTCTGGAGCTGATGGCAGTGAAGTAAGTCAAGTGTGGCAGAC  
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GGGAACCGGACATACATGTAATGTCAAGTGCCCATCTCCTGTGAAGGGCCACTGGCTGCCACAGCAGT  
CAGCTTTCAGCTCGCGCCGATCGCTTAAAGTATCGTGTGCTTAAAGCAGATCTTCTCTGGAGGGGACCAGA  
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ATTCGCCAGTTATCAAGTTCACCCCCAGATGTGGAAGCAATGAGAATCTATTTAATCCTACCGGAGTTTC  
 CGCTGCTTCAGGACTCTAAGTATTACATAACGCTGACCATTCCCCTGGCAATGGCCATTCTGCGGCTGGA  
 AACAAACCTAGCAAAGTATTAGATAACTGGTGGTCTCAGGCATGCCCAAAATTTTCATGAAGCTGGTA  
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 ACAACTACATGACTGCAACCCTCAAGCTTCTGGAGAAGTTGTACAAGTAAATCTTAAGGTGAAGCATGT  
 GGAATACGATAAGTTTTATCCCTGAGATTTCTAGTCTTGTGGACATTCAGGAAGACTACCTCATGTGG  
 TTTTGCATCAATCTGGGATGAAGGCTAGACCCTCTATCATGCAGGATGCTGAACCCCTTTGTTCCATC  
 CTTTCATCTTTGATGCCCAAGCTAAGACCAAGATGCTGCAGACTGATGCCGAGTTACAGATGCAGGTGGC  
 AGTCAATGGAGCCAACCTGCAGAATGTCTTCATGCTTCTTACCCTGGAGCCTCTGCTGGCCAGAAGCCCC  
 TTCCTGGTCTCCATGTCCGTAGGAACCACCTGTTGGAGATGCCCTGAGAGAGCTGAGCATTCACTCTG  
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 GAAGGAGTTCTTTCTTTGCTATTAAGAAGCTTTTGAATCCCATTTATGGGATGTTTACCTACTATCAA  
 GATTCAAATCTCTTGTGGTTTTTTCAGATACATGTTTTGTAGAGCACAAGTGGTTTCACTTGGCATAA  
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 ATGGGGTGATAGAACAGAAGAAGTTGATACCCGGGGGAGACAGAGTGGCCGTGTGCAAAGACAACAGGCA  
 AGAATTCGTGGACGCTTATGTGAATTACATCTTCCAAATTTTCGGTTCACGAGTGGTACACAGCCTTCTCC  
 AGTGGCTTCTAAAGGTGTGGTGGCAAAGTCTCGAGCTCTCCAGCCTGCAGAACTGAGGGCCATGA  
 TGGTGGGGAACAGCAACTATGACTGGGAAGAGCTGGAAGAGACTGCTGTCTACAGGGGTATTATCAAG  
 CACACATCCCCTGTGAAACTCTTCTGGGAGACATCCACGAGTCCCATTGGAGAAGAAGAAGAAGTTT  
 CTTTTGTTCTAACAGGCAGTGACCGGATTCCCATCTATGGCATGGCCAGTCTTCAGATCATCATCCAGT  
 CCACAGCCACTGGGGAGGAATACTTACCCGTGGCCCATACCTGCTACAACCTTCTTGACCTCCCTAAGTA  
 TAGCAGCAAAGAGATCATGAAGGCTCGGCTGACCCAGGCCCTCGACAACATGAGGGTTTTAGTTTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211533 representing NM\_028705  
 Red=Cloning site Green=Tags(s)

MLCWGYWSLGPQGISSNLQGIVAEPQVCRFVSDRSIKEVACGGNHSVFLLEDGEVYTCGVNTKQQLGHER  
 EGNKPEQIGALADQHIHIVACGESHSALSDRGQLFSWAGSDGQLGLMTTEDSVAVPRLIQKLNQQTIL  
 QVSCGNWHCLALAADGQFFTWGKNSHGQLGLGKEFPSQTSQQRVRSLEGIPLAQVAAGGAHSFALSLSGA  
 VFGWGMNAGQLGLSDEKDRESPCHVKLLRTQKVYVYISCGEEHTAVLTKSGGVFTFGAGSCGQLGHDSVN  
 DEVNPRRVLELMGSEVTQIACGRQHTLALVPSSGLIYAFGCGAKGQLGTGHTCNVKCPSPVKGHWAHSS  
 QLSARADRFKYRVVKQIFSGGDQTFVLCSTYENSSPAVDFRTVNQTHYTNLINDETIQVWRQKLTEHNNA  
 NTVNGVVQILSSAACWNGSFLEKKIDEHFKTSKIPGIDLNSTRILFEKLMHSQHSMILEQILNSFESCL  
 IPQLSSPPDVEAMRIYLILPEFPLLQDSKYYITLTIPLAMAILRLETNPSKVLDNWWSQACPKYFMKLV  
 TLYKGAVLYLLRGRKTFILPVLFNMYMTATLKLLEKLYKVNKVKHVEYDKFYIPEISSLVDIQEDYLMW  
 FLHQSGMKARPSIMQDAVTLCSYPFIFDAQAKTKMLQTDDELQMQVAVNGANLQNVFMLLTLEPLLARSP  
 FLVLHVRNRNHLVGDALRELSIHSDIDLKPKLVIFDGEEDVAGGVTKEFFLLLLKELNPIYGMFTYYQ  
 DSNLLWFSDTCFVEHNWFHLIGITCGLAIYNSTVVDLHFPLALYKLLNVKPSLEDLKELSPTTEGRSLQE  
 LLDYPGEDIEETFCLNFTVCRESYGVIEQKKLIPGGDRVAVCKDNRQEFVDAYVNYIFQISVHEWYAFS  
 SGFLKVCCKGKLELFPAPLRAAMVGNVSNYDWEELLETAVYRGDYSSTHPTVKLFWETTFHEFPLEKKKK  
 LLFLTGSDRIPIYGMASLQIIIQSTATGEEYLPVAHTCYNLLDLPKYSSKEIMKARLTQALDNYEGFSLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9047\\_g10.zip](https://cdn.origene.com/chromatograms/mm9047_g10.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_028705

**ORF Size:** 3150 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_028705.3](#), [NP\\_082981.3](#)

**RefSeq Size:** 4742 bp

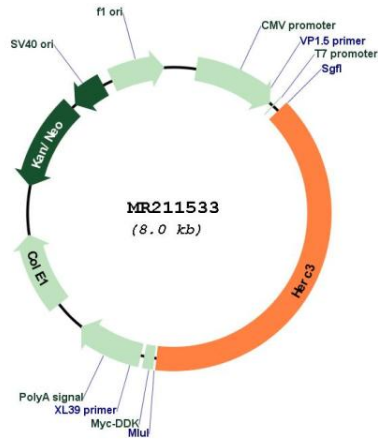
**RefSeq ORF:** 3153 bp

**Locus ID:** 73998

**Cytogenetics:** 6 B3

MW: 117.8 kDa

Product images:



Circular map for MR211533