

Product datasheet for **MG211533**

Herc3 (NM_028705) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Herc3 (NM_028705) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Herc3
Synonyms: 5730409F18Rik; AI646603; mKIAA0032
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG211533 representing NM_028705
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTATGTTGGGGTATTGGTCTCTGGGCCAACCAGGCATCAGCTCCAACCTGCAAGGAATCGTGGCTG
AGCCCCAGGTGTCCGCTTTGTATCGGACAGAAGCATCAAGGAAGTGGCGTGGGAGGAAACCACTCCGT
GTTCTGTGGAGGACGGGGAGGTTTACACGTGTGGAGTAAACACCAAGGGCAGCTTGGCCATGAGAGG
GAAGGTAACAAGCCAGAACAATTGGAGCATTAGCTGATCAGCATATCATACACGTGGCATGTGGCGAGT
CACACAGTCTGGCTCTCAGTGACCGGGTCTCAGTGTCTTCTGGGGTGCAGGAAGTATGGCCAAGTGGG
CCTCATGACTACTGAGGATCCGTGGCTGTGCCAGGCTAATCCAGAACTGAACCAAGCAGACCATATTA
CAAGTTTCCTGTGGCAACTGGCACTGCTTGGCTCTGGCAGCTGATGGCCAGTTCTTCACATGGGGGAAGA
ACAGCCATGGACAGCTGGGACTGGGGAAGGAGTCCCCTCCCAAACCAAGCCACAGAGGGTGGAGTCTTT
GGAAGGGATCCCGCTGGCTCAGGTGGCTGCAGGAGGGGCTCATAGCTTTGCCCTGTCTCTCGGGAGCT
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GCCACGTGAAGCTTTACGCACACAGAAAGTCGTCTATATTAGTTGTGGAGAGGAGCACACAGCAGTTCT
CACAAAGAGTGGGGCGTGTACCTTTGGTGTGGCTCCTGTGGCAGCTTGGACATGACTCGGTGAAT
GATGAAGTTAATCCGAGAAGAGTCTGGAGCTGATGGCAGTGAAGTAAGTCAAGTGTGGCAGAC
AGCACACTAGCCCTTGTGCCTTCTTGGACTCATCTATGCATTTGGTTGTGGAGCTAAAGGTGAGCT
GGGAACCGGACATACATGTAATGTCAAGTGCATCTCCTGTGAAGGGCCACTGGGCTGCCACAGCAGT
CAGCTTTCAGCTCGCGCCGATCGCTTAAAGTATCGTGTGTTAAGCAGATCTTCTCTGGAGGGGACCAGA
CTTTTGTACTTTGCTCCACGTATGAGAATCTTCTCCTGCTGTTGACTTCAGAAGTGTGAACCAACACA
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TGAGAAGTTAATGCACTCTCAGCACTCCATGATTCTAGAACAGATATTAACAGCTTTGAAAGTTGCCTC



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ATTCGCCAGTTATCAAGTTCACCCCCAGATGTGGAAGCAATGAGAATCTATTTAATCCTACCGGAGTTTC
 CGCTGCTTCAGGACTCTAAGTATTACATAACGCTGACCATTCCCCTGGCAATGGCCATTCTGCGGCTGGA
 AACAAACCTAGCAAAGTATTAGATAACTGGTGGTCTCAGGCATGCCCAAAATTTTCATGAAGCTGGTA
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 CTTTCATCTTTGATGCCCAAGCTAAGACCAAGATGCTGCAGACTGATGCCGAGTTACAGATGCAGGTGGC
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 CTTTTGTTCTAACAGGCAGTGACCGGATTCCCATCTATGGCATGGCCAGTCTTCAGATCATCATCCAGT
 CCACAGCCACTGGGGAGGAATACTTACCCGTGGCCCATACCTGCTACAACCTTCTTGACCTCCCTAAGTA
 TAGCAGCAAAGAGATCATGAAGGCTCGGCTGACCCAGGCCCTCGACAACATGAGGGTTTTAGTTTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211533 representing NM_028705
 Red=Cloning site Green=Tags(s)

MLCWGYWSLQPGISSLNQGIVAEQVCRFVSDRSIKEVACGGNHSVFLLEDGEVYTCGVNTKGQLGHER
 EGNKPEQIGALADQHI IHVACGESHSLSALSDRGQLFSWGAGSDGQLGLMTTEDSVAVPRLIQKLNQQTIL
 QVSCGNWHCLALAADGQFFTWGKNSHGQLGLGKEFPSQTSQQRVRSLEGIPLAQVAAGGAHSFALSLSGA
 VFGWGMNAGQLGLSDEKDRESPCHVKLLRTQKVYVYISCGEEHTAVLTKSGGVFTFGAGSCGQLGHDSVN
 DEVNPRRVLELMGSEVTQIACGRQHTLALVPSSGLIYAFGCGAKGQLGTGHTCNVKCPSPVKGHWAHSS
 QLSARADRFKYRVVKQIFSGGDQTFVLCSTYENSSPAVDFRTVNQTHYTNLINDETI AVWRQKL TEHNNA
 NTVNGVVQILSSAACWNGSFLEKKIDEHFKTSKIPGIDLNSTRILFEKLMHSQHSMILEQILNSFESCL
 IPQLSSSPPDVEAMRIYLILPEFLLQDSKYYITLTIPLAMAILRLETNPSKVLDNWWSQACPKYFMKLV
 TLYKGAVLYLLRGRKTFILPVLFNMYMTATLKLLEKLYKVNKVKHVEYDKFYIPEISSLVDIQEDYLMW
 FLHQSGMKARPSIMQDAVTLCSYPIFDQAQTKMLQTD AELQMVAVNGANLQNVFMLLTLEPLLARSP
 FLVLHVRNRNHLVGDALRELSIHSIDIDLKPLKVI FDGEEGVDAGGVTKEFFLLLLKELLNPIYGMFTYYQ
 DSNLLWFSDTCFVEHNWFHLIGITCGLAIYNSTVVDLHFPLALYKLLNVKPSLEDLKELSPTTEGRSLQE
 LLDYPGEDIEETFCLNFTVCRESYGVIEQKLLIPGGDRVAVCKDNRQEFVDAVYNYIFQISVHEWYAFS
 SGFLKVCGGKVLLELQPAELRAMMVGNNSYDWEEL EETAVYRGDYSSTHPTVKLFWETFEHFPLEKKKK
 LLFLTGSDRIPIYGMASLQII IQSTATGEEYLPVAHTCYNLLDLPKYSSKEIMKARLTQALDNYEGFSLA

TRTRPLE - GFP Tag - V

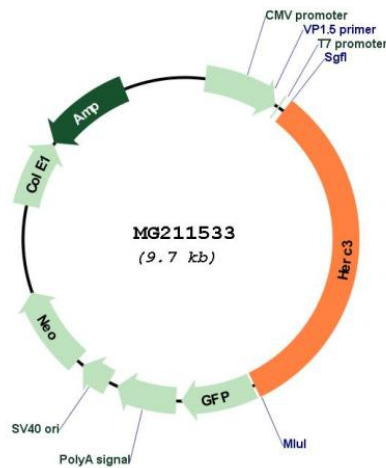
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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:	<u>NM_028705.3</u> , <u>NP_082981.3</u>
RefSeq Size:	4742 bp
RefSeq ORF:	3153 bp
Locus ID:	73998
Cytogenetics:	6 B3