

## Product datasheet for **MG224065**

### Herc6 (NM\_025992) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Herc6 (NM_025992) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Herc6
Synonyms:	1700121D12Rik; 2510038N07Rik; 4930427L17Rik; AI451296; CEB1; Herc5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224065 representing NM\_025992  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTATTTTCAGCTGGGCTGCAGGAAGCCGGAAGCCTCGGCGCCTGAAGGCGGGAACAGCGGCATTGAAC  
 TCTTGCAGGCAGCCAGCGGGGAACCACTCGCTCCTACTGTTTACGAACACAGGGTGTATTCTCGCGG  
 GGACAACAGCTGGGGACAGCTGGGCCAGAGGAGAGACCAGAGTACCGAAAAGGCCAGAACCAATTCAGGCA  
 CTGAATGATCTGCATGTTGACCTGGTGAGCTGTGGGAAGGAACACTCTGTGGCTGTCTGCCACAAAGGAA  
 AGGTCTTCGCTGGGAGCCGGTCTGAAGGCGAGCTGGGGATTGGAGAATTTAAGGAAATAAGCTTTAT  
 GCCTACGAAAATAAAAGCTCTGGCTGGCATAAAAAATAATCCAAGTTTCCTGTGGACTACTCACTCTTTG  
 GCCTTATCAGAAGATGGCCACGTGTTTTTATGGGAAGGAACAGTGAAGGACAACAGTGGCCCTGGGGAAGA  
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 AGGTGGCACACACAGTTTTGCTCTGTCTCTCACGGGGACATCATTGGCTGGGGGAGCAACAGATCTGGG  
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 ATCTGAGTGTGATTTATATTAGCTGTGGTTATGAGCATACTGCAGTGTACTGAGGAGGGACAAGTGT  
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 TTTACAAAGTGTGTAAGTGGGATATAATTAGGCAATCCAGCCGGAAGAACTAATGACAGCAATAATTGG  
 AAATGCTACTTGTGACTGGAACAATTTGAAAATAATTCAAAGTATAAAGATGGATATGACAAATCACAC  
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 AACCTTCAAGTGAAGAAGATAACCAAGATCATTGACATGTACAGGATGCTAGACCTACCTAAGTATTC  
 TCAATGCGAAGGATGAAGGAAGCACTTCAGGTTGCAATCAACAATAGCACGGGATTTGTCTCACAGGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224065 representing NM\_025992  
 Red=Cloning site Green=Tags(s)

MYFSWAAGSRKPRRLKAGTSGIELLQAASGEHHSLLLFSNHRVYSCGDNWSGQLGQRRDQSTERPEPIQA  
 LNDLHVLDLVSCGKEHSVAVCHKGVFAWGAGSEGQLGIGEFKEISFMPKIKALAGIKIIQVSCGHYHSL  
 ALSDEGHVFSWGRNSEGQLGLGKNSRSQAIPQKVKSLLEGIPLAQVAAGGTHSFALSLTGTSGWGSNRSG  
 QLALSGNKVKEQIYKPHSIGALKNLVSIYISCGYEHTAVLTEEGQVFTFGNSSGQLQSPRSGQRPQL  
 IEGIGGRVSIIECASYHTIAYVYTTGQVVSLGRGPSHTSNPTHQEAENSDITCLLAAEDLVIEVKDI  
 FAGAHANFVTTTRVSHTRSTGVSMKILPEIIRINQSLVKKWRAANKRKDREGAKREISLIFSSACTLAS  
 FLKKRDAGENNLIDVDLKLARDVFKKLTTKEWISSLITTCLEEYLLRDLPYSSPHQEALLVFLLLPECSI  
 MQDPKNWKTAFEFAKAIHKMGPSLAFRLRTCWASLEVSSLNILVQMLKKAIIISQIQYGVATEQYITNIK  
 VLLLEVIKEVHKANCQLPESAFIINELSGIFNFDAEAGRMFIRHNDLCTESSDMVVFSDFLFVFDLPSKI  
 KLMKCDSFVKLMSEVMFPEKMSPPYLILKVRSSHVEDTLRQLRQVEDFLRKQLSVGFINEIRPEAG  
 GVSSEFFHCIFEEMTDPKYEMFIYPEKGSMMWFPVNPKEKSSYFLFGILCGLSLHNLKVINLPFLALY  
 KKLNLNQPSLEDLKELESLPLGRNLQEVLNCEAGDIEELHMYFSIYWDQKVDLIPDGISVVPNETNKRDY  
 VSKYVDYIFNISIKTIYEEFHRGFYKVCNWDIIRQFQPEELMTAIIGNATCDWKQFENNSKYKDGDKSH  
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 SMRRMKEALQVAINNSTGFVSQE

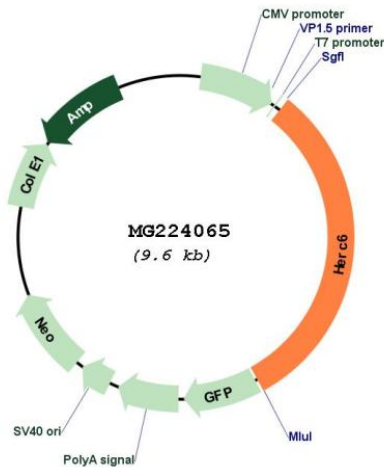
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_025992

**ORF Size:** 3009 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](#)

**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\\_025992.2, NP\\_080268.1](#)  
RefSeq Size: 5279 bp  
RefSeq ORF: 3012 bp  
Locus ID: 67138  
UniProt ID: [F2Z461](#)  
Cytogenetics: 6  
Gene Summary: Major E3 ligase for ISG15 conjugation. Acts as a positive regulator of innate antiviral response in cells induced by interferon.[UniProtKB/Swiss-Prot Function]