

Product datasheet for **MG204167**

Hey1 (NM_010423) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hey1 (NM_010423) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hey1
Synonyms:	AI316788; AI414254; bHLHb31; CHF2; Herp2; hesr-1; Hesr1; HRT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204167 representing NM_010423 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAGAGCTCACCCAGACTACAGCTCCTCAGATAGTGAGCTGGACGAGACCATCGAGGTGGAAAAGG
AGAGCGCGGACGAGAATGGAACTTGAGTTCGGCGCTGTGTTCCATGTCCCAACGACATCGTCCCAGGT
TTTGGCCAGGAAAAGACGGAGAGGCATCATCGAGAAGCGCCGACGAGACCGAATCAATAACAGTTTGTCT
GAGCTGAGAAGGCTGGTACCCAGTGCCTTTGAGAAGCAGGGATCTGCTAAGCTAGAAAAAGCTGAGATCT
TGCAGATGACTGTGGATCACCTGAAAATGCTGCACACTGCAGGAGGAAAGGTTATTTTACGCGCACGC
CCTGGCTATGGACTATCGGAGTTTGGGGTTTCGGGAATGCCTGGCCGAAGTTGCCCGTTATCTGAGCATC
ATTGAAGGACTCGATGCCTCCGACCCGCTTCGCGTTTCGCTGGTCTCCATCTCAACAACACTACGCATCCC
AGCGGGAAGCCGCGAGCGGCGCTCACGGTGGCCTCGGACACATTCCTGGGGAAGTGCCTTCGGACATCA
CCCACACATCGCACACCTCTGCTGCTGCCCAAGATGGCCACGGGAACGCTGGCACCGCGGCGTCACCC
ACGGAGCCGCATCACCAGGGCAGGCTGGCTTTCGCCATCCGGAGGCGCCGGCCTTGGGAGCGCCCTTA
GTGGCGGCTTGGGACCGGTGCTTCCCGTGGTGACCTCGGCCTCCAACGTGTCTCCACCGTGTCTCTCCTC
TGTGGCCTCGCTCTCAGCCTTCCCCTTTTCCTTCAGCTCCTTCCACCTACTGAGCCCTTCGACACCCACG
CAGGCAGCAAACCTTGGCAAGCCCTATAGACCTTGGGGACAGAGATCGGAGCTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204167 representing NM_010423
Red=Cloning site Green=Tags(s)

```
MKRAHPDYSSSDSELDETIEVEKESADENGLSSALCSMSPTTSSQVLARKRRRGIIEKRRRDRINNSLS
ELRRLVPSAFEKQGSAKLEKAEILQMTVDHLKMLHTAGGKGYFDAHALAMDYRSLGFRECLAEVARYLSI
IEGLDASDPLRVRLVSHLNNYASQREAAASGAHGGLGHIPWGSFAFGHHPHIAHPLLLPQNGHGNAGTAASP
TEPHHQRLASAHPEAPALRAPPSSGGLGPVLPVVTSASKLSPPLLSSVASLSAFPFSFSSFHLLSPSTPT
QAANLGKPYRPGTEIGAF
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010423

ORF Size: 897 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_010423.2](#), [NP_034553.2](#)

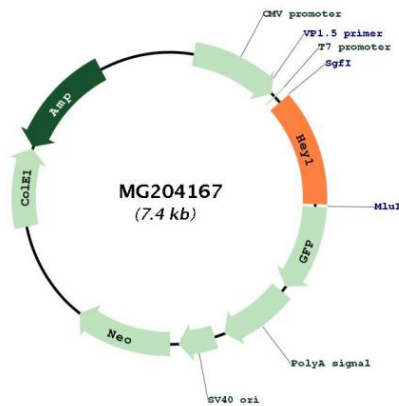
RefSeq Size: 2215 bp

RefSeq ORF: 900 bp

Locus ID: 15213

Cytogenetics: 3 2.15 cM

Product images:



Circular map for MG204167