

## Product datasheet for **RR216264**

### Hey1 (NM\_001191845) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Hey1 (NM\_001191845) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Hey1  
Synonyms: Herp2  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR216264 representing NM\_001191845  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGAGAGCTCACCCGACTACAGCTCCTCTGATAGTGAGCTGGACGAGACCATCGAGGTGGAGAAGG  
AGAGCGCAGACGAGAATGGAACTTGAGTTCGGCGCTGGGTTCCATGTCCCAACCACATCGTCCCAGT  
TTTGGCCCGAAAAGACGGAGAGGCATCATCGAGAAGCGCCGACGAGACCGAATCAATAACAGTTTGTCT  
GAGCTGAGAAGGCTGGTACCCAGTGCTTTTGAGAAGCAGGGATCTGCGAAGCTAGAAAAAGCTGAGATCT  
TGCAGATGACTGTGGATCACCTGAAATGCTGCACACTGCAGGAGGGAAAAGGTTATTTTACGCGCACGC  
CCTGGCTATGGACTATCGGAGTTTGGGGTTTCGGGAATGCCTGGCTGAAGTTGCCGTTATCTGAGCATC  
ATTGAAGGACTCGATGCCTCCGATCCGCTTCGTGTTCCGCTGGTCTCCCATCTCAACAACTACGCATCCC  
AGCGGGAAGCCGCGAGCGGCGCTCACGGGGCCTCGGACACATTCCTTGGGGAAGCGCCTTCGGACATCA  
CCCACACATCGCACACCCGCTGCTGCTGCCCCAGAATGGCCACGGGAACGCTGGCACTACGGCGTACCC  
ACGGAGCCGCATCACAGGGCAGGCTGGCCTCTGCCATCCTGAGGCGCCGGCCTTGCAGGCGCCCTCA  
GTGGCGGCTTGGACAGTGTCCCGTGGTGTCTCAGCCTCAAACCTGTGCGCCCATGCTTCTCCGTGGC  
TCACTTACGCTTCCCTTTCTTCACTTTCATTACGAGTCTTGACACCTCACAGGCAACCTGGCAAG  
CCCTATAGACCTTGGGGACAGAGATTGGAGCTTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216264 representing NM\_001191845  
 Red=Cloning site Green=Tags(s)

MKRAHPDYSSDSELDETIEVEKESADENGLSSALGSMSPPTSSQVLARKRRRGIIEKRRRDRINNSLS  
 ELRRLVPSAFEKQGSAKLEKAEILQMTVDHLKMLHTAGGKYFDAHALAMDYRSLGFRECLAEVARYLSI  
 IEGLDASDPLRVRLVSHLNNYASQREAAASGAHGGLGHIPWGSFAFGHHPHIAHPLLLPQNGHGNAGTTASP  
 TEPHHQRLASAHPEAPALRAPPSSGGLGPVFPWCSASKLSPPCFVAHFSLPFLQSSLRVLTPHRQQPGK  
 PYRPWGTEIGAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

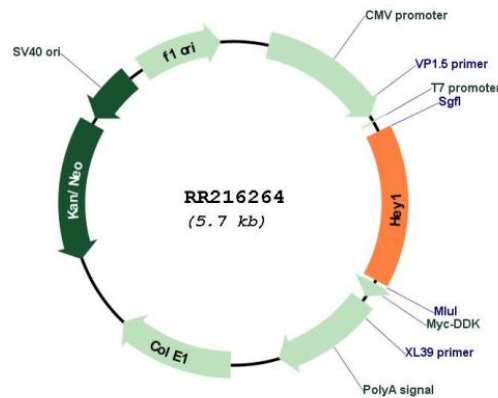
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001191845

**ORF Size:** 876 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001191845.1</a> , <a href="#">NP_001178774.1</a>
<b>RefSeq Size:</b>	939 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	155437
<b>Cytogenetics:</b>	2q23
<b>MW:</b>	31.8 kDa
<b>Gene Summary:</b>	a primary target of Notch that plays a central role in the development of the aorta [RGD, Feb 2006]