

Product datasheet for **RR216405**

Hey2 (NM_130417) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hey2 (NM_130417) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hey2
Synonyms:	Herp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216405 representing NM_130417 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGAAGCGCCCTTGCAGGAGACGACCTCTGAAAGCGACCTAGACGAGACCATCGACGTGGGGAGCGAGA
ACAATTACTCCGGGCACAGTGCAAGCTCAGTGATGAGGTCCAATTCACCTACAACCACCTCTCAGATTAT
GGCAAGAAAGAAAAGGAGAGGGATCATAGAAAAAGGGCTCGGGATCGAATAAAACAGTTTATCTGAA
TTGAGAAGACTAGTGCCAACAGCTTTTAAAAACAAGGATCTGCCAAGTTGAAAAAGGCTGAAATTTCTGC
AAATGACAGTGGATCATTGAAGATGCTCCAGGCAACAGGGGGAAAGGCTACTTTGACGCCCATGCCCT
TGCCACGGACTTTATGAGCATTGGATTCCGAGAATGCTTGACAGAAGTGGCGAGGTACCTAAGCTCTGTG
GAAGGCCTTGACCCTTCGGACCCACTACGCGTGCCTTGTCTCTCATCTCAGCACCTGTGCCTCCCAGC
GGGAGGCAGCAGTGATGACATCCTCCATGTCCCACCACCATCACCCCTGCACCCTCACCACTGGGCAGC
GGCCTTCCACCATCTCCCACATCCCTGCTCCAACCAATGGACTCCACACATCAGAGTCAACGCCATGT
CGCCTATCCACGCTTTCAGAAGTGCTCCTGCTCATGGCTCTGCCCTCCTCACAGCAACATTTGCCCATG
CAGATTCTGCTTTCGGATGCCATCAACGGGCACCGTGCACCCTGCGTGCCACCTCTCTCCACCTCTCT
CCTGTCTTTTACGTAAGTGTGCATGCCGACGACGAGCGGCCACCGCAGCTGCACACAGCTTCCCTCTG
TCCTTCGAGGGGCTTTCCATGCTCCATCCAATGCAGCAGCAGCCGCCGCGGTTGCCGCTGCAACAG
CAATCAGCCCACCGTTATCAGTGTCTGCAGCCTCCAGTCTCAGCAGACAAGCAGTGGAACAAACAGTAA
ACCTTACCGACCCTGGGGACAGAAGTTGGAGCCTTT

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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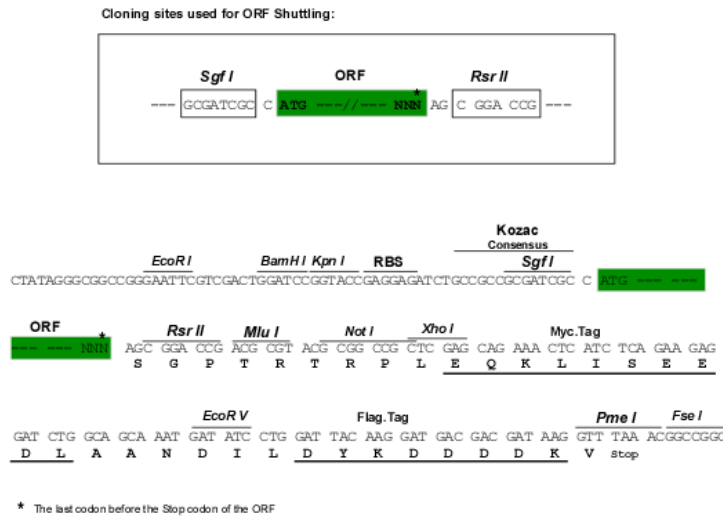
Protein Sequence: >RR216405 representing NM_130417
 Red=Cloning site Green=Tags(s)

MKRPCEETTSESDLDETIDVGSENNYSGHSAASSVMRSNSPTTTSQIMARKKRRGII EKRRRDRINNSLSE
 LRRLVPTAFEKQGSAKLEKAEILQMTVDHLKMLQATGGKGYFDAHALATDFMSIGFRECLTEVARYLSSV
 EGLDPSDPLRVRLVSHLSTCASQREAAVMTSSMSHHHPLHPHHWAAAFHHLPTSLLPNGLHTSESTPC
 RLSTSSVPPAHGSALLTATFAHADSALRMPSTGTVPACVPPPLSTLLSLSATVHAAAAAATAAAHSFPL
 SFAGAFPMLPSNAAAAAATAAISPLLSVSAASSPQQTSSGTNSKPYRYPWGTEVGAF

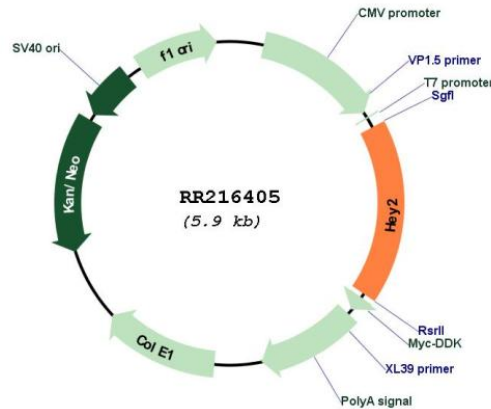
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_130417

ORF Size: 1017 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:	NM_130417.1 , NP_569101.1
RefSeq Size:	2421 bp
RefSeq ORF:	1020 bp
Locus ID:	155430
Cytogenetics:	1p11
MW:	35.9 kDa
Gene Summary:	basic helix-loop-helix transcriptional repressor; primary target of Notch [RGD, Feb 2006]