

Product datasheet for SC115467

HEY1 (NM_012258) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HEY1 (NM_012258) Human Untagged Clone
Tag: Tag Free
Symbol: HEY1
Synonyms: BHLHb31; CHF2; HERP2; HESR1; hHRT1; HRT-1; NERP2; OAF1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_012258 edited
 GAATTCGGCACGAGGCAAAGCGTGAGCGGGATCAGTGTGTGCGGAACGCAAGCAGCCGAG
 AGCGGAGAGGCGCCGCTGTAGTTAACTCCTCCCTGCCCGCCGCGCCGACCTCCCCAGGA
 ACCCCCAGGGAGCCAGCATGAAGCGAGCTCACCCCGAGTACAGCTCCTCGACAGCGAGC
 TGGACGAGACCATCGAGGTGGAGAAGGAGAGTGCAGGACGAGAATGGAACTTGAGTTCGG
 CTCTAGGTTCCATGTCCCAACTACATCTTCCCAGATTTTGGCCAGAAAAAGACGGAGAG
 GAATAATTGAGAAGCGCCGACGAGACCGGATCAATAACAGTTTGTCTGAGCTGAGAAGGC
 TGGTACCCAGTGTCTTTGAGAAGCAGGGATCTGCTAAGCTAGAAAAAGCCGAGATCCTGC
 AGATGACCGTGGATCACCTGAAAATGCTGCATACGGCAGGAGGGAAAGGTTACTTTGACG
 CGCACGCCCTTGCTATGGACTATCGGAGTTTGGGATTTCCGGAATGCCTGGCAGAAGTTG
 CGGTTATCTGAGCATCATTGAAGGACTAGATGCCTCTGACCCGCTTCGAGTTCGACTGG
 TTTTCGCATCTCAACAACTACGCTTCCCAGCGGGAAGCCGCGAGCGGCCACGCGGGCC
 TCGGACACATTCCCTGGGGGACCGTCTTCGGACATCACCCGCACATCGCGCACCCGCTGT
 TGCTGCCCCAGAACGGCCACGGGAACGCGGGCACCACGGCCTCACCCACGGAACCGCACC
 ACCAGGGCAGGCTGGGCTCGGCACATCCGGAGGCGCCTGCTTTGCGAGCGCCCCCTAGCG
 GCAGCCTCGGACCGGTGCTCCCTGTGGTCACCTCCGCCTCAAACCTGTCGCCGCTCTGC
 TCTCCTCAGTGGCCTCCCTGTGCGCCTTCCCCTTCTCTTTGCGCTCCTTCACTTACTGT
 ATCCCAATGCACTGAGCCCTTCAACACCCACGAGGCTGCAAACCTTGGCAAGCCCTATA
 GACCTTGGGGGACGGAGATCGGAGCTTTTTAAAGAACTGATGTAGAATGAGGGAGGGGAA
 AGTTTAAAAATCCCAGCTGGGCTGGACTGTTGCCAACATCACCTTAAAGTGTGAGTAAAA
 GTAAAAAGGAAAAAGGTACACTTTCAGATAATTTTTTTTTTAAAGACTAAAGTTTGTG
 GTTACTTTTATCTTTTTAATGTTTTTTCATCATGTCATGTATTAGCAGTTTTTAAAA
 ACTAGTTGTTAAATTTTGTCAAGACATTAATTGAAATAGTGAGTATAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAACTCGAC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012258 unedited</p> <pre>GCACGAGGCAAAGCGTGAGCGGGATCAGTGTGTGCGGAACGCAAGCAGCCGAGAGCGGAG AGGCGCCGCTGTAGTTAACTCCTCCCTGCCCGCCGCGCCGACCCTCCCCAGGAACCCCA GGGAGCCAGCATGAAGCGAGCTACCCCCGAGTACAGCTCCTCGGACAGCGAGCTGGACGA GACCATCGAGGTGGAGAAGGAGAGTGCGGACGAGAATGGAAACTTGAGTTCGGCTCTAGG TTCCATGTCCCCAACTACATCTTCCAGATTTTGGCCAGAAAAAGACGGAGAGGAATAAT TGAGAAGCGCCGACGAGACCGGATCAATAACAGTTTGTCTGAGCTGAGAAGGCTGGTACC CAGTGCTTTTGGAGAAGCAGGGATCTGCTAAGCTAGAAAAAGCCGAGATCCTGCAGATGAC CGTGGATCACCTGAAAATGCTGCATACGGCAGGAGGAAAAGTTACTTTGACGCGCACGC CCTTGCTATGGACTATCGGAGTTTGGGATTTTCGGGAATGCCTGGCAGAAGTTGCGCGTTA TCTGAGCATCATTGAAGGACTAGATGCCTCTGACCCGCTTCGAGTTCGACTGGTTTCGCA TCTCAACAACTACGCTTCCAGCGGGAAGCCGCGAGCGGCCACGCGGGCCTCGGACA CATTC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012258 unedited</p> <pre>GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATACTCAC TATTTCAATTTAATGTCTTGAACAAAATTTAACTAGTTTTTAAAACTGCTAATACA TGACATGATGAAAAAACATTAAGATAAAAGTAAACCAACAAACCTTTAGTCTTTA AAAAAAAATTATCTGAAAGGTACCTTTTCTTTTACTTTTACTGACGACTTTAAGG GGATGTTGGCAACAGTCCAGCCAGCTGGGATTTTAACTTTCCCTCCCTCATTCTACA TCAGTTCTTTAAAAAGCTCCGATCTCCGTCGCCCAAGGTCTATAGGGCTTGCCAAGGTTT GCAGCCTGCGTGGTGCTGAAGGGCTCATTGCATTGGGATACAGTAAGTGAAGGAGCCG AAAGAAAAGGGGAAGGCCACAGGGAGCCACTGAGGAGAGCAAAGGCGGCGACAGTTTG GAGGCGGAGGTGACCACAGGGAGCACCGGTCCGAGGCTGCCGCTAGGGGGCGCTCGCAA GCAGGCGCCTCCGGATGTGCCGAGCCAGCCTGCCCTGGTGGTGCAGTTCCGTGGGTGAT GCCGTGGTGCCCGGTTCCCGTGGCCGTTCTGGGGCATCAACAGCGGGTGCAGATGTGC GGGTGATGTCCGAATACAGTCCCCATGTAATGTGTCCGAAGCCCGTGGCCGCGCTC GCAGCTTTCGCTGGGAAGCGTTATTGTTGAGATGCGAAACCAGCGAACTCGAACCGCA AAAGCCATCAGCCCTCAAGGATGCTCAGATACGCGCACTTTTGGCAGCATTCCCGAAT CCCAACTCCGATAGCCCTACCAGGGCGGGCCGCAAATACCTTTTCTTCTCGCGTAGCAG ATTTTAGGGATCCAGGCTCGGAGGACTGGGTTTTTACTTACAAAACCGGCTTCTAACC AG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_012258
Insert Size:	1310 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_012258.2 , NP_036390.2
RefSeq Size:	2223 bp
RefSeq ORF:	915 bp
Locus ID:	23462
UniProt ID:	Q9Y5J3
Cytogenetics:	8q21.13
Domains:	HLH, ORANGE
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a nuclear protein belonging to the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcriptional repressors. Expression of this gene is induced by the Notch and c-Jun signal transduction pathways. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the predominant isoform (a).</p>