OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC122816

Hey L (HEYL) (NM_014571) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hey L (HEYL) (NM_014571) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hey L
Synonyms:	bHLHb33; HESR3; HEY3; HRT3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_014571 edited
ACCAGGCAGCCTGCGTTCGCCATGAAGCGACCCAAGGAGCCGAGCGGCTCCGACGGGGAG
TCCGACGGACCCATCGACGTGGGCCAAGAGGGCCAGCTGAGCCAGATGGCCAGGCCGCTG
TCCACCCCCAGCTCTTCGCAGATGCAAGCCAGGAAGAAACGCAGAGGGATCATAGAGAAA
CGGCGTCGAGACCGCATCAACAGTAGCCTTTCTGAATTGCGACGCTTGGTCCCCACTGCC
TTTGAGAAACAGGGCTCTTCCAAGCTGGAGAAAGCCGAGGTCTTGCAGATGACGGTGGAT
CACTTGAAAATGCTCCATGCCACTGGTGGGACAGGATTCTTTGATGCCCGAGCCCTGGCA
GTTGACTTCCGGAGCATTGGTTTTCGGGAGTGCCTCACTGAGGTCATCAGGTACCTGGGG
GTCCTTGAAGGGCCCAGCAGCCGTGCAGACCCCGTCCGGATTCGCCTTCTCTCCCACCTC
AACAGCTACGCAGCCGAGATGGAGCCTTCGCCCACGCCCACTGGCCCTTTGGCCTTCCCT
GCCTGGCCCTGGTCTTTCTTCCATAGCTGTCCAGGGCTGCCAGCCCTGAGCAACCAGCTC
GCCATCCTGGGAAGAGTGCCCAGCCCTGTCCTCCCCGGTGTCTCCTCTCCTGCTTACCCC
ATCCCAGCCCTCCGAACCGCTCCCCTTCGCAGAGCCACAGGCATCATCCTGCCAGCCCGG
AGGAATGTGCTGCCCAGTCGAGGGGCATCTTCCACCCGGAGGGCCCGCCCCCTAGAGAGG
CCAGCGACCCCTGTGCCTGTCGCCCCCAGCAGCAGGGCTGCCAGGAGCAGCCACATCGCT
CCCCTCCTGCAGTCTTCCTCCCCAACACCCCCTGGTCCTACAGGGTCGGCTGCTTACGTG
GCTGTTCCCACCCCCAACTCATCCTCCCCAGGGCCAGCTGGGAGGCCAGCGGGAGCCATG
CTCTACCACTCCTGGGTCTCTGAAATCACTGAAATCGGGGCTTTCTGAGCTGCCCCTTCA
CCACCCCGCCCCAAGGAATAAGGAAGGTTCTTTTACCAGGAGCCCAAAAAAGGGCACTGC
CTTTTCTGCTTTGCTTCGTGGACTGGCTCATATGTGAAGGCACGTTCTCCAGCCATCAGA
GGCCCCCTCCTCCTCCAACCCATCTCTCCTTCTCACTGTTATCCCAGCTTATCCACCCAG
CTCTCCTGGAGCTGTTCTGGTCTCAGAGGCTTGGTTCCATTTCTCACCTGAACAGATGAG
TCCTGGGAGAGACCCTCAGAGATCCGCCCAGACCCCTCTCCTGCCCTCTGCACACCAGCA
GCAGGCATGAACCTTGGGTCTGGGAAAAAGCTTTAACCTGCAGGGCACCAGGACCCAAGG
CAGGCTGTTCCTTGGGGCGGTCAGACCCCAGTCAGGAGCAATGACTGACTGGCTGCAGCC
TTCCCACGCCAAGAGGCTGGAACATAGTGTCTGCCTCGCTTCCTGGAGATAGTAACTGAG
CAGGGGCTACAAAGAGGTCTCCTGGGAACCCTGTCTGCCCCTTCCCACCTGTCCTTGGGC

View online »

CACACCATCACACTGAACCACAGGACAGACCCTTTCTCCACCACAGCCAAGGCCTGGAGA
CTGGGGGCCCAGCAGAGCCTGCTCCCACCCTCCTCCCAGCAGCAGACACCCACCCTCTCA
CTGACTAACAGGTCCCTGCACACAGCTGGCCTGGTAAACCCAGCTGGGAGGTTTCTAGGC
AGCAGCAAAACTCTGTGACAGGGTGTCCTCACACCAGGCCTTGGACAGCTCTCCCAGACA
GGAGCCAGGGTTGAGCAATGGAGAGCCCAGCCCCCACGTCTTACAGTCGCCATCCTCCAG
GCGTGTGGTCCCTCCCCATTGGGTGCACAGTGCAGAGGGGCCGTGGCCCCATGTGATGGT
GCGCAGAGAGGAACCTCTTGGGATTCAGCACCAGACGTCTGTGCTGCCTGGTTTGCATCC
GGCTCACAGAGCCCAGACTGCTGGAACAGCCAAGGACTGTCAGGCTGGACAAAAATAACT
GCAAGGAGGGGCAAGAGAAAGGATGATTCGAGGCACCTTGGCCCTTCAAGGTCATGCAGT
GGGTCGAGCGCCTGAGATCCTGTTCACCAGGACTCCACAGAGCTGGCTCTGCTCAGAAGC
CATTTCATTCCCCGGCTCCACCCTAGGCCACTTTTTCTAACAGAGGAAACAAATGGTCCA
GCAGTCGTTCCCAGCAGAACAGCGGAGCCTGGACTGACACCCAGTGGGACCAGTGTTGCC
ACACCAGTTGATAAAATGCAGAAACCCTTCTGTACTCGTTGGTAAATATCTACTCCCCCA
AGTGACTCCAGGTGCCCCCCACCGCCTGGCACTTCCCCCAGGACTCCTACGATCTGGTTA
CTGCCTGGCCGATCCAAGGCTGTGGAGTCCCAGAGCCAGCAGTTCACTGGTGCTCATTCC
ACACTGGTTAGATACTTCAGTTGTCACCCCTGGGAAGATTCTCCCACCTCCTCCCTTTGA
TGGAACCACCCTCCCCAGAGGCTGCATTGAGGAGACTCCACAGACTGAAAAGTGAGTTTG
CAGAAACCTTGGGGAAAAGGGCCCTTTCAAAGAAGTGGATAAGAGGGAGGAGATCATTGA
GTGACCCAGAAAGCTCTTTTGAAAAGACAGACTCCTCAAGGAGAGATAAAGAGGAAAGCA
CCTCTTTCATTTTTTAGTGTGAGCTAATTCCATCAGACTGCTGTCCTCCTGGACCCATCT
GAGATGTGCAGTAGCAAGGAGAGGGGGGATCATTTTAGAGAGTGGGTCATTGGCAGGGAG
TGCTCCGGAGGGAGGCAGAGGGGAGACTGTGGTAGAAGGAAGACAGAACTCACACATGCT
CCCAGGATTGGGGACAGGGACAGAGGAGGTAACAGAAGGCAAAGGCCAGTTTCCCCGTTA
TCATGAAGGGGCCCACTCAGGACAGGAACAAGGACAACTCCTCCTCCTCCTCCTCCTCTC
CTGCTGCTCCTGGGATACCAGGTCAGTGATGTAGTCTTGCAGTTTGGCAACTTCCTAGCC
TGAGAATCCCTAGTGGGGCTGTGGGAAACACATTTCCACGTTGCAAGCATGCAACTCCAA
AGAATCTGTGATGCCACTGAAATGAGATGGGAATGATCCAGCTCTTTCAGCATCTTGGTT
GAACTTGCTTTCATTGTCCCTGGGATATTGTGGAAGGAAAGGTGACTGTGTGATCTGATT
CTGTGGTCAAGGACTTGCATCTTGTGTTTCTATCCCCAAGCCTTCCTGGTGTCTCCAACT
CCTACCCCATTGCATGGGTTGTTGCGGACATCCAATAAAGATTTTTTTAGTGCTTCTGGA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014571 unedited
GGAAGCGGTCATATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGACCA
GGCAGCCTGCGTTCGCCATGAAGCGACCCAAGGAGCCGAGCGGCTCCGACGGGGAGTCCG
ACGGACCCATCGACGTGGGCCAAGAGGGCCAGCTGAGCCAGATGGCCAGGCCGCTGTCCA
CCCCCAGCTCTTCGCAGATGCAAGCCAGGAAGAAACGCAGAGGGATCATAGAGAAACGGC
GTCGAGACCGCATCAACAGTAGCCTTTCTGAATTGCGACGCTTGGTCCCCACTGCCTTTG
AGAAACAGGGCTCTTCCAAGCTGGAGAAAGCCGAGGTCTTGCAGATGACGGTGGATCACT
TGAAAATGCTCCATGCCACTGGTGGGACAGGATTCTTTGATGCCCGAGCCCTGGCAGTTG
ACTTCCGGAGCATTGGTTTTCGGGAGTGCCTCACTGAGGTCATCAGGTACCTGGGGGTCC
TTGAAGGGCCCAGCAGCCGTGCAGACCCCGTCCGGATTCGCCTTCTCTCCCACCTCAACA
GCTACGCAGCCGAGATGGAGCCTTCGCCCACGCCCACTGGCCCTTTGGCCTTCCCTGCCT
GGCCCTGGTCTTTCTTCCATAGCTGTCCAGGGCTGCCAGCCCTGAGCAACCAGCTCGCCA
TCCTGGGAAGAGTGCCCAGCCCTGTCCTCCCCGGTGTCTCCTCTCCTGCTTACCCCATCC
CAGCCCTCCGAACCGCTCCCCTTCGCAGAGCCACAGGCATCATCCTGCCAGCCCCGGAGA
ATGTGCTGCCCAGTCGAGGGGCATCTTCCACCCCGGAGGCCCGNCCCCTAGAGAGGCAGC
GACCCCTGTGCCTGTCGCCCCCAGCAGCAGGGCTGCCAGNAGCAGACACATCGCTCCCCC
TCCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014571 unedited
GGGGTTTTGCCTAAAAAAACTTATGGAGTCCCACAACCCAGCAAGGGGTAGGAGTTGNGA
AACACCAGNAAGGCTTGGGGNATAGNAAACACAANATGCAAGTCCTTGACCACANAATCA
GATCACACAGTCACCTTTCCTTCCACAATATCCCAGGGACAATGAAAGCAAGTTCAACCA
AGATGCTGAAAGAGCTGGATCATTCCCATCTCATTTCAGTGGCATCACAGATTCTTTGGA
GTTGCATGCTTGCAACGTGGAAATGTGTTTCCCACAGCCCAGCTAGGGATTCTCAGGCTA
GGAAGTTGCCAAACTGCAAGACTACATCACTGACCTGGTATCCCAGGAGCAGCAGGAGAG
GAGGAGGAGGAGGAGGAGTTGTCCTTGTTCCTGTCCTGAGTGGGCCCCTTCATGATAACG
GGGAAACTGGCCTTTGCCTTCTGTTACCTCCTCTGTCCCTGTCCCCAATCCTGGGAGCAT
GTGTGAGTTCTAGTCTTCCTTCTACCACAGTCTCCCCTCTGCCTCCCTCCGGAGCACTCC
CTGCCAATGACCCACTCTCTAAAATGATCCCCCCTCTCCTTGCTACTGCACATCAGAGAT
GGGTCCAGGAGGACAGCAGTCTGATGGAATTAGCTCACACTAAAAAATGAAAGAGGTGCT
TTCCTCTTTATCTCTCCTTGAGGAGTCTGTCTTTTCAAAAGAGCTTTCTGGGTCACTCAA
TGATCTCCTCCCTCTTATCCACTTCTTTGAAAGGGCCCTTTTCCCCAAGGGTTCTGCAAA
CTTACTTTTCAGTCTGTGGAGTCCTCTCAATGGCAGCTCTGGGGAGGGGGGGTCCATCAA
AGGGAGGGAGGTGGAGAATCTTTCCCGGGGGGACCACTGGAATTCTCTACCGGGGG

Restriction Sites: Please inquire

ACCN: NM_014571

Insert Size: 3416 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 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

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_014571.2, NP_055386.1

RefSeq Size: 3416 bp

RefSeq ORF:	987 bp
Locus ID:	26508
UniProt ID:	Q9NQ87
Cytogenetics:	1p34.2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a member of the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcription factors. The sequence of the encoded protein contains a conserved bHLH and orange domain, but its YRPW motif has diverged from other HESR family members. It is thought to be an effector of Notch signaling and a regulator of cell fate decisions. Alternatively spliced transcript variants have been found, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]