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 SC116707

HES1 (NM_005524) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HES1 (NM_005524) Human Untagged Clone
Tag:	Tag Free
Symbol:	HES1
Synonyms:	bHLHb39; HES-1; HHL; HRY
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116707 sequence for NM_005524 edited (data generated by NextGen Sequencing) ATGCCAGCTGATATAATGGAGAAAAATTCCTCGTCCCCGGTGGCTGCTACCCCAGCCAGT GTCAACACGACACCGGATAAACCAAAGACAGCATCTGAGCACAGAAAGTCATCAAAGCCT ATTATGGAGAAAAGACGAAGAGCAAGAATAAATGAAAGTCTGAGCCAGCTGAAAACACTG ATTTTGGATGCTCTGAAGAAAGATAGCTCGCGGCATTCCAAGCTGGAGAAGGCGGACATT CTGGAAATGACAGTGAAGCACCTCCGGAACCTGCAGCGGGCGCAGATGACGGCTGCGCTG AGCACAGACCCAAGTGTGCTGGGGAAGTACCGAGCCGGCTTCAGCGAGTGCATGAACGAG GTGACCCGCTTCCTGTCCACGTGCGAGGGCGTTAATACCGAGGTGCGCACTCGGCTGCTC GGCCACCTGGCCAACTGCATGACCCAGATCAATGCCATGACCTACCCCGGGCAGCCGCAC CCCGCCTTGCAGGCGCCGCCACCGCCCCCACCGGGACCCGGCGGCCCCCAGCACGCGCCG TTCGCGCCGCCGCCGCCACTCGTGCCCATCCCCGGGGGCGCGGCGCCCCCTCCCGGCGGC GCCCCCTGCAAGCTGGGCAGCCAGGCTGGAGAGGCGGCTAAGGTGTTTGGAGGCTTCCAG GTGGTACCGGCTCCCGATGGCCAGTTTGCTTTCCTCATTCCCAACGGGGCCTTCGCGCAC AGCGGCCCTGTCATCCCCGTCTACACCAGCAACAGCGGCACCTCCGTGGGCCCCAACGCA GTGTCACCTTCCAGCGGCCCCTCGCTTACGGCGGACTCCATGTGGAGGCCGTGGCGGAAC TGA Clone variation with respect to NM_005524.3
Restriction Sites:	Please inquire
ACCN:	NM_005524
Insert Size:	1600 bp

View online »

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_005524.2, NP_005515.1
RefSeq Size:	1471 bp
RefSeq ORF:	843 bp
Locus ID:	3280
UniProt ID:	Q14469
Cytogenetics:	3q29
Domains:	HLH, ORANGE
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors
Protein Pathways:	Maturity onset diabetes of the young, Notch signaling pathway
Gene Summary:	This protein belongs to the basic helix-loop-helix family of transcription factors. It is a transcriptional repressor of genes that require a bHLH protein for their transcription. The protein has a particular type of basic domain that contains a helix interrupting protein that binds to the N-box rather than the canonical E-box. [provided by RefSeq, Jul 2008]