

## Product datasheet for **SC320145**

### HES6 (NM\_018645) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HES6 (NM\_018645) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HES6  
**Synonyms:** bHLHb41; bHLHc23; C-HAIRY1; HES-6  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >OriGene sequence for NM\_018645.3

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>OriGene sequence for NM_018645.3
GGAGCGCGGACGGCTGGGCTGCTGCTGGGCGGCCGCGGGGCAGCGGAGGGCGCCGGCACT
CCGGTCCCGGCCGCTCCCGTCCCGCTGCTCCTAGCCCCTGCCGCTCCCGGGCGGAGC
GGGCATGGCGCCACCCGCGGCGCCTGGCCGGGACCGTGTGGGCCGTGAGGATGAGGACGG
CTGGGAGACGCGAGGGGACCGCAAGGCCCGGAAGCCCCTGGTGGAGAAGAAGCGGCGCGC
GCGGATCAACGAGAGCCTGCAGGAGCTGCGGCTGCTGCTGGCGGGCGCCGAGGTGCAGGC
CAAGCTGGAGAACGCCAAGTGTGGAGCTGACGGTGCGGCGGGTCCAGGGTGTGCTGCC
GGGCCGGCGCGGAGCGGAGCAGCTGCAGGCGGAAGCGAGCGAGCGCTTCGCTGCCGG
CTACATCCAGTGCATGCACGAGGTGCACACGTTCTGTCCACGTGCCAGGCCATCGACGC
TACCGTGCCTGCCGAGCTCCTGAACCATCTGCTCGAGTCCATGCCGCTGGGTGAGGGCAG
CAGCTTCCAGGATCTGCTGGGGGACGCCCTGGCGGGGCCACCTAGAGCCCCTGGACGGAG
TGGCTGGCTGCGGGGGGCGCTCCGGGATCCCCAATACCCAGCCCCCGGGTCTGGGGA
CGACCTGTGCTCCGACCTGGAGGAGGCCCTGAGGCTGAAGTGAAGTCAAGGCTCCTGCTGA
GGGGCCCGACTTGGTCCCGCAGCCCTGGGCAGCCTGACCACAGCCAAATTGCCCGGAG
TGTCTGGAGGCCCTTGGTACCAATGCCAGCCAGAGTCTGCGGGGGTGGGCCCGGCCCTC
CCTGGATCTCCTCCCTCCTCCAGGGGTTTCAGATGTGGTGGGTAGGGCCCTGGAAGTCT
CCCAGTCTTCCCTCCTCCTCTGATGGATGGCTTGCAGGGCAGCCCCTGGTAACCCAGCC
CAGTCAGGCCCCAGCCCCGTTTCTTAAGAACTTTTAGGGACCCTGCAGCTCTGGAGTGG
GTGGAGGGAGGGAGCTACGGGCAGGAGGAAGAATTTTGTAGAGCTGCCAGCGCTCTCCCA
GGTTACCCACCCAGCCTTACCAGCCCTGTGCGGGCTCTGGGGGAGAGGTGGCAGGAA
TGGTGCTGGGCACTAGTGTCCAGGCAGCCCTGGGCTAAACAAAAGCTTGAACCTGCCAC
TTCAGCGGGGAGATGAGAGGCAGGTGCACTCAGCTGCACTGCCAGAGCTGTGATGCTCT
GTACATCTGTTTGTAGCACACTTGAGTTTGTGATTCCATTGACATCAAATGTGACAAT
TTTACTAAATAAAGAATTTTGGAGTTAGTTACCCTTGAAAAAAAAAAAAAAAAAAAAA
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**Restriction Sites:** Please inquire  
**ACCN:** NM\_018645



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_018645.3</a></u> , <u><a href="#">NP_061115.2</a></u>
<b>RefSeq Size:</b>	1375 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	55502
<b>UniProt ID:</b>	<u><a href="#">Q96HZ4</a></u>
<b>Cytogenetics:</b>	2q37.3
<b>Domains:</b>	HLH
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of a subfamily of basic helix-loop-helix transcription repressors that have homology to the Drosophila enhancer of split genes. Members of this gene family regulate cell differentiation in numerous cell types. The protein encoded by this gene functions as a cofactor, interacting with other transcription factors through a tetrapeptide domain in its C-terminus. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a).</p>