

Product datasheet for **SC324806**

HES6 (NM_001142853) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HES6 (NM_001142853) Human Untagged Clone
Tag:	Tag Free
Symbol:	HES6
Synonyms:	bHLHb41; bHLHc23; C-HAIRY1; HES-6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001142853 edited
 GTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCGGCGCGCCAGATCTCAA
 GCTTAAGTAGTTAGCGGACCGACGCGTTAAGCGGCCGCGAATTCAGATCCACAAGTTTGT
 ACAAAAAAGCAGGCTTGTAAAACGACGGCCAGTAACTATAACGGTCCTAAGGTAGCGAGG
 CCTGGGTGGCGAATTCGGCACGAGGGGAGCGCGGACGGCTGGGCTGCTGCTGGGCGGCCG
 CGGGCAGCGGAGGGCGCCGGCACTCCGGTCCCCGCCGCTCCCCGTCCCCGCTGCTCCTA
 GCCCTGCCGCGTCCCCGGCGGAGCGGGCATGGCGCCACCCGCGCGCCTGGCCGGGACC
 GTGTGGGCCGTGAGGATGAGGACGGCTGGGAGACGCGAGGGGACCGCAAGGCCCGGAAGC
 CCCTGGTGGAGAAGAAGCGGCGCGCGGATCAACGAGAGCCTGCAGGAGCTGCGGCTGC
 TGCTGGCGGGCGCCGAGGCCAAGCTGGAGAACGCCGAAGTGTGGAGTGACGGTGCGGC
 GGGTCCAGGGTGTGCTGCGGGGCGGGCGCGAGCGCGAGCAGTGCAGGCGGAAGCGA
 GCGAGCGCTTCGCTGCCGGCTACATCCAGTGCATGCACGAGGTGCACACGTTTCGTGTCCA
 CGTGCCAGGCCATCGACGCTACCGTCCGCTGCCGAGCTCCTGAACCATCTGCTCGAGTCCA
 TGCCGCTGCGTGAGGGCAGCAGCTTCCAGGATCTGCTGGGGGACGCCCTGGCGGGGCCAC
 CTAGAGCCCTGGACGGAGTGGCTGGCCTGCGGGGGCGCTCCGGGATCCCAATACCCA
 GCCCCCCGGTCTGGGACGACCTGTGCTCCGACCTGGAGGAGGCCCTGAGGCTGAAC
 TGAGTCAGGCTCCTGCTGAGGGGCCGACTTGGTGCCCGCAGCCCTGGGCAGCCTGACCA
 CAGCCCAAATGCCCGGAGTGTCTGGAGGCCTTGGTGACCAATGCCAGCCAGAGTCTGC
 GGGGTGGGCCCGGCCCTCCCTGGATCTCCTCCCTCCTCCAGGGGTTTCAGATGTGGTGG
 GGTAGGGCCCTGGAAGTCTCCAGGTCTCCCTCCCTCCTCTGATGGATGGCTTGCAGGG
 CAGCCCTGGTAACCAGCCAGTACAGCCCGAGCCCGTTTCTTAAGAACTTTTAGGGA
 CCCTGCAGCTCTGGAGTGGTGGAGGGAGGGAGCTACGGGCAGGAGGAAGAATTTTGTAG
 AGCTGCCAGCGCTCTCCAGGTTACCCACCCAGCCTTACCAGCCCTGTGCGGGCTCTG
 GGGCAGAGGTGGCAGGAATGGTGTGGCACTAGTGTTCCAGGCAGCCCTGGGCTAAAC
 AAAAGCTTGAAGTTCCTTCCAGCGGGGAGATGAGAGGCAGGTGCACTCAGCTGCACTG
 CCCAGAGCTGTGATGCTCTGTACATCTTGTGTTGTAGCACACTTGAGTTTGTATTCCAT
 TGACATCAAATGTGACAATTTTACTAAATAAAGAATTTTGGAGTTAGTTACCTTGAAAA
 AAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001142853
- Insert Size:** 1600 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001142853.1
- 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:	<u>NM_001142853.1, NP_001136325.1</u>
RefSeq Size:	1380 bp
RefSeq ORF:	669 bp
Locus ID:	55502
UniProt ID:	<u>Q96HZ4</u>
Cytogenetics:	2q37.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<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 (2) uses an alternate splice site in the coding region compared to variant 1. The encoded protein (isoform b) is shorter compared to isoform a.</p>