

Product datasheet for **SC333584**

HES6 (NM_001282434) Human Untagged Clone

Product data:

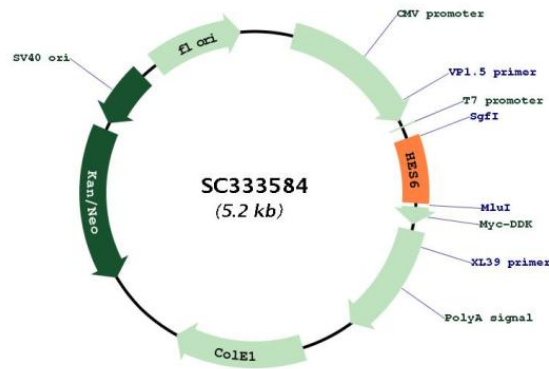
Product Type:	Expression Plasmids
Product Name:	HES6 (NM_001282434) Human Untagged Clone
Tag:	Tag Free
Symbol:	HES6
Synonyms:	bHLHb41; bHLHc23; C-HAIRY1; HES-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333584 representing NM_001282434. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCGCCACCCGCGGCCTGGCCGGACCGTGTGGCCGTGAGGATGAGGACGGCTGGGAGACGCGA
GGGACCGCAAGGCCCGAAGCCCTGGTGGAGAAGAAGCGGCGCGCGGATCAACGAGAGCCTGCAG
GAGCTGCGGCTGCTGCTGGCGGGCGCCGAGGTGCAGGCCAAGCTGGAGAACGCCAAGTGTGGAGCTG
ACGAGCGCAGCAGCTGCAGGCCGAAGCGAGCGAGCGCTTCGCTGCCGGCTACATCCAGTGCATGCAG
AGGTGCACACGTTTCGTGCCACGTGCCAGGCCATCGACGCTACCGTCGCTGCCGAGCTCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001282434

Insert Size: 339 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:

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_001282434.1</u>
RefSeq Size:	1430 bp
RefSeq ORF:	339 bp
Locus ID:	55502
UniProt ID:	<u>Q96HZ4</u>
Cytogenetics:	2q37.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	12.2 kDa
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 (3) uses an alternate splice donor site which results in a frameshift compared to variant 1. The encoded isoform (c) is shorter and has a novel C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>