

Product datasheet for **SC123104**

TWIST2 (NM_057179) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TWIST2 (NM_057179) Human Untagged Clone
Tag: Tag Free
Symbol: TWIST2
Synonyms: AMS; BBRSAY; bHLHa39; DERMO1; FFDD3; SETLSS
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_057179 edited
 CTAGAGTTTCCAAAAAGTTAGAAATAACTTCTCTCCCGGAGACCTCGGTTTTGCACAAG
 CCGGCCTTGAAATCAGAGCCTTTCCAGCAACTCCGAGAGCGTGTGCTCGGCGACCGCGGG
 CTTGGCCAGCGGCGCGCTCGGCGCCCCGGCGCCCCAGCCCCACGCGCGCCGGCGGG
 CGCCATGGAGGAGGGCTCCAGCTCGCCCGTGTCCCCGTGGACAGCTGGGCACCAAGCGA
 GGAGGAGCTCGAGAGGCAGCCCAAGCGCTTCGGCCGGAAGCGGCGCTACAGCAAGAAGTC
 GAGCGAAGATGGCAGCCCCACCCGGGCAAGCGCGCAAGAAGGGCAGCCCCAGCGCGCA
 GTCCTTCGAGGAGCTGCAGAGCCAGCGCATCCTGGCCAACGTGCGCGAGCGCCAGCGCAC
 CCAGTCGCTCAACGAGGCCTTCGCGGCGCTGCGCAAGATCATCCCACGCTGCCCTCTGA
 CAAGCTGAGCAAGATCCAGACGCTCAAGCTGGCCGCCAGGTACATAGACTTCTCTACCA
 GGTCTGCAGAGCGACGAGATGGACAATAAGATGACCAGCTGCAGCTACGTGGCCACGA
 GCGCCTCAGCTACGCCTTCTCCGTGTGGCGCATGGAGGGCGCGTGGTCCATGTCCGCCTC
 CCACTAGCGCCGCGCCACCCACCTCCGGACCGGCGGCCAGGAGGAGATTCTGAATGATG
 CTGCCATTGCCAGACCTTCTGCTACCAACAGAGCGAAGAGGAAGAGGGGCGAGTGTGTTG
 GTCAAGACAGCCACGAAACGTTGGCGGGAGTGAGCACATTAGCAATGGCTAAGAATG
 CTTGAATCATTGTAAACAACCCAGGACAGAGATGCCACAAGAGGACTTTGGGAAAGGGC
 AATCCACTCATACATCTTGGAGTTGTTTTTCAAGTTCAGAAAATGAACCTTCACCAAGG
 TCTTGGAAACATGAAGCAGAGACTCTGGTGTGACTCTATCATTTGAGCTCCTAAGGTAC
 TCATGCCAGTGGAGCATGCACACCAGCAACCCGCCAACCCATCTCGGTGTCCACCC
 CTTAGAGGAAAGAGGACACAGAGGGGCGCCGGTAATAACCCCTATTTCTCTCTTCC
 ACCCCACCACATCATCTTAATAAACATGAAGGTAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_057179 unedited TTAAACCCTACAGAAATTTGTATACTACTCATATAGGCGGCACGCGAATTCGCACGAGGCT AGAGTTTCCAAAAAATTAGAATAACTTCCTCTCCCGGAGACCTCGGTTTTGCACAAGCCG GCCTTGAAATCAGAGCCTTTCCAGCAACTCCGAGAGCGTGTGCTCGGCGACCGGGGCTT GGCCAGCGGCGCGCTCGGCGCCCCGGCGCCCCAGCCCCACGCGCGCCGGGCGGGCGC CATGGAGGAGGGCTCCAGCTCGCCCGTGTCCCCGTGGACAGCTGGGCACCAGCGAGGA GGAGCTCGAGAGGCAGCCAAGCGCTTCGGCCGGAAGCGCGCTACAGCAAGAAGTCGAG CGAAGATGGCAGCCCGACCCCGGCAAGCGCGCAAGAAGGGCAGCCCGCGCGAGTC CTTCGAGGAGCTGCAGAGCCAGCGCATCCTGGCCAACGTGCGCGAGCGCCAGCGACCCA GTCGCTCAACGAGGCCTTCGCGCGCTGCGCAAGATCATCCCCACGCTGCCCTCTGACAA GCTGAGCAAGATCCAGACGCTCAAGCTGGCCGCCAGGTACATAGACTTCCTCTACCAGGT CCTGCATAGCGACGAGATGGACAATAAGATGACCAGCTGCAGCTACGTGGCCACGAGCG CCTCAGCTACGCCTTCTCCGTGTGGCGCATGGAGGGCGCGTGGTCCATGTCCGCCTCCA CTAGCGCCGCCACCCACCTCCGGACCGCGCGCCAGGAGGAGATTCTGAATGATGCTG CCATTGCCAGACCTTCTGCTACCAAACAGATCGAANAGGAAGAGGGGCGAGTGTTTGGT
Restriction Sites:	Please inquire
ACCN:	NM_057179
Insert Size:	1192 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:	<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:	NM_057179.1 , NP_476527.1
RefSeq Size:	1381 bp
RefSeq ORF:	483 bp
Locus ID:	117581
UniProt ID:	Q8WVJ9
Cytogenetics:	2q37.3
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

The protein encoded by this gene is a basic helix-loop-helix type transcription factor and shares similarity with Twist. This protein may inhibit osteoblast maturation and maintain cells in a preosteoblast phenotype during osteoblast development. This gene may be upregulated in certain cancers. Mutations in this gene cause focal facial dermal dysplasia 3, Setleis type. Two transcript variants encoding the same protein have been found. [provided by RefSeq, Apr 2014]

Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.