

## Product datasheet for **SC209156**

### Twist (TWIST1) (NM\_000474) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Twist (TWIST1) (NM\_000474) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** TWIST1  
**Synonyms:** ACS3; bHLHa38; BPES2; BPES3; CRS; CRS1; CSO; SCS; SWCOS; TWIST  
**ACCN:** NM\_000474  
**Insert Size:** 736 bp  
**Insert Sequence:** >SC209156 3'UTR clone of NM\_000474  
The sequence shown below is from the reference sequence of NM\_000474. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGGCCTGGTCCATGTCGCGTCCCACTAGCAGGCGGAGCCCCACCCCCTCAGCAGGGCCGAGACC
TAGATGTCATTGTTTCCAGAGAAGGAGAAAATGGACAGTCTAGAGACTCTGGAGCTGGATAACTAAAA
TAAAAATATATGCCAAAGATTTTCTTGGAAATTAGAAGAGCAAAATCCAATTCAAAGAAACAGGGCGT
GGGGCGCACTTTTAAAAGAGAAAGCGAGACAGGCCCGTGGACAGTGATTCCAGACGGGCAGCGGCACC
ATCCTCACACCTCTGCATTCTGATAGAAGTCTGAACAGTTGTTTGTGTTTTTTTTTTTTTTTTTTTGA
CGAAGAATGTTTTTATTTTTATTTTTTTCATGCATGCATTCTCAAGAGGTCGTGCCAATCAGCCACTGA
AAGGAAAGGCATCACTATGGACTTTCTCTATTTTAAAATGGTAACAATCAGAGGAATAAAGAACC
TTTAGAAATAAAAATACTGGGATCAAACGGCCTGCAAAACCATAGTCAGTTAATTCTTTTTTTCATCC
TTCCTCTGAGGGGAAAAACAAAAAACTTAAAATACAAAAACAACATTCTATTTATTATTAGGGA
CCCATGGTAAAAATGCAAATAGATCCGGTGTCTAAATGCATTCATATTTTATGATTGTTTTGTAATAT
CTTTGTATATTTTCTGCAATAAATAAATAAAAAATTTAGAGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:**

Sgfl-Mlul

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_000474.4</a>
<b>Summary:</b>	This gene encodes a basic helix-loop-helix (bHLH) transcription factor that plays an important role in embryonic development. The encoded protein forms both homodimers and heterodimers that bind to DNA E box sequences and regulate the transcription of genes involved in cranial suture closure during skull development. This protein may also regulate neural tube closure, limb development and brown fat metabolism. This gene is hypermethylated and overexpressed in multiple human cancers, and the encoded protein promotes tumor cell invasion and metastasis, as well as metastatic recurrence. Mutations in this gene cause Saethre-Chotzen syndrome in human patients, which is characterized by craniosynostosis, ptosis and hypertelorism. [provided by RefSeq, Jul 2020]
<b>Locus ID:</b>	7291
<b>MW:</b>	28.6