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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
Symbol:	Twist
Synonyms:	ACS3; bHLHa38; BPES2; BPES3; CRS; CRS1; CSO; SCS; SWCOS; TWIST
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
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 GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGGGCCTGGTCCATGTCCGCGTCCCACTAGCAGGCGGAGCCCCCCACCCCCTCAGCAGGGCCGGAGACC TAGATGTCATTGTTTCCAGAGAAGGAGAAAATGGACAGTCTAGAGACTCTGGAGCTGGATAACTAAAAA TAAAAATATATGCCAAAGATTTTCTTGGAAATTAGAAGAGCAAAATCCAAATTCAAAGAAACAGGGCGT GGGGCGCACTTTTAAAAGAGAAAGCGAGACAGGCCCGTGGACAGTGATTCCCAGACGGGCAGCGGCACC ATCCTCACACCTCTGCATTCTGATAGAAGTCTGAACAGTTGTTTGTGTTTTTTTTTTTTTTTTTTTGA CGAAGAATGTTTTTATTTTTATTTTTTTCATGCATGCATTCTCAAGAGGTCGTGCCAATCAGCCACTGA AAGGAAAGGCATCACTATGGACTTTCTCTATTTTAAAATGGTAACAATCAGAGGAACTATAAGAACACC TTTAGAAATAAAAATACTGGGATCAAACTGGCCTGCAAAACCATAGTCAGTTAATTCTTTTTTTCATCC TTCCTCTGAGGGGAAAAACAAAAAAAAACTTAAAATACAAAAAACAACATTCTATTTATTTATTGAGGA CCCATGGTAAAATGCAAATAGATCCGGTGTCTAAATGCATTCATATTTTTATGATTGTTTTGTAAATAT CTTTGTATATTTTTCTGCAATAAATAAATATAAAAAATTTAGAGAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
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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Components: 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.

RefSeq: NM_000474.4

Summary: 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]

Locus ID: 7291

MW: 28.6