

## Product datasheet for **SC213897**

### **RUNX1T1 (NM\_004349) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	RUNX1T1 (NM_004349) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RUNX1T1
Synonyms:	AML1-MTG8; AML1T1; CBFA2T1; CDR; ETO; MTG8; ZMYND2
ACCN:	NM_004349
Insert Size:	2000 bp



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**Insert Sequence:** >SC213897 3'UTR clone of NM\_004349  
 The sequence shown below is from the reference sequence of NM\_004349. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CCTTCCACCATAGAGACAACCCCTCGCTAGACGTGAACCTCAGAAGTGTGGAGGAAAGACAACAACC
AACCGGAAACCAATTCCTCATCCTCAGATGCTCAAAGTTGTTTTTTTGTGTTGTTTATTAGATGA
ATTATCTATTTTCAGTACTTCAGCAAGAGAGAACCTAACTGTATCTTGAGGTGGTAGTAAAAACAGAG
GGCCAGTAACGGGTCGTAATGACTTATTGTGGATAACAAAGATATCTTTTCTTTAGAGAAGTAAAAAGA
GAGCAGAGAATATAACATGAAATGATAGATTTGACCTCCTCCCTGTTATTTTCAAGTAGCTGGGATTTT
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AGCAAAAATGCTAATATTAAGTCAATGTTCTTTATATAACAATAATGGAAAAAAAAAAGAGGAA
AACCCCTAAGGGCATGAGCATTGGATACAGCAGTAGACATTTTAAACAAGAAGATGAATGGCGTCCGTGG
GTTGCTAACTGAACTTTGAAGACCCGCTACAAAACGCGCAGATGTGCAGCAGATTGGAAGGAGACACAG
ATGTTCCGTTTTTTTCTGTTTCTGAAAAGAAATAATAATATCCAGGTCAACAGAATGAAAAATGAAAG
ATGATTTGCAATGGGATGTATGAATACAGCAGCAAGAAAAAAAAATGCCATAATACAAAAGGCTCCATA
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ACACACACACACACACACACACACACACACAAAGTAAAGAGACTCAGCCTGCAGTTAATTAGCATTCTGGC
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GTAAGCATTGGGCTATTCCAGCTCATTCTTTTATATTGAAAAAAAAAATTTTAAAAATGGTGGCTT
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CTCTTGGTGTTAAAAACACTTCTGCCTGTGAGGTTTCCCAATGGTGTGTTTTCTTGTAATGTGTTGGAC
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AAAAAGGAAAAAAGACTCTTTTGGTTGCTCCTCAAGAAAAAGAAAGAAAGCTATCTTTCCGGAGC
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TTTTTGTGTTTTTTTTTTTTTTTTTGTAGCAAATCTTTTTAAATATGCTAGAGCCATTTCAAGTTT
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AAAAAATAAAATAACAAGATATCTACTTTAAAAAAAAGGACAGTGCATGCATATTGCTGTAAGGTC
GTTTAAGTATTTCTAATTTTACAAAAGTAAAAATCATTAGAGCTCCAAATGCTGAGGTGTAGATTGACA
GCTTTAACTGCTGAATGCCAGGTTATACAGTATTCTTACAAAAGGGAAGTCAGCCAAAGACTGATC
TGATGGACCAAAATCGGAATTTTAAAAGCACCAGTACTTTTCCAAATGATCAGCAGGTTAAACATG
TTCAGCAAGGTATAGTATGAATCCATTAACCCCTCGTTGTCCAGGGTCCAGACCAGAACTACTTGTTA
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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**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).

**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\\_004349.4](#)

**Summary:**

This gene encodes a member of the myeloid translocation gene family which interact with DNA-bound transcription factors and recruit a range of corepressors to facilitate transcriptional repression. The t(8;21)(q22;q22) translocation is one of the most frequent karyotypic abnormalities in acute myeloid leukemia. The translocation produces a chimeric gene made up of the 5'-region of the runt-related transcription factor 1 gene fused to the 3'-region of this gene. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010]

**Locus ID:**

862

**MW:**

79.9