

## Product datasheet for **SC214756**

### **DNMT3B (NM\_175848) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	DNMT3B (NM_175848) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	DNMT3B
Synonyms:	ICF; ICF1; M.HsaIIIB
ACCN:	NM_175848
Insert Size:	1483 bp



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**Insert Sequence:** >SC214756 3'UTR clone of NM\_175848  
The sequence shown below is from the reference sequence of NM\_175848. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTCTGAAGGACTACTTTGCATGTGAATAGTTCCAGCCAGGCCCAAGCCCACTGGGGTGTGTGGCAGA
GCCAGGACCCAGGAGGTGTGATTCTGAAGGCATCCCCAGGCCCTGCTCTTCTCAGCTGTGTGGGTCA
TACCGTGTACCTCAGTCCCTCTTGCTCAGTGGGGCAGAGCCACCTGACTCTTGACAGGGGTAGCCTGA
GGTGCCGCTCCTTGTCACAAATCAGACCTGGCTGCTTGGAGCAGCCTAACACGGTGTCTATTTTTTC
TTCTCCTAAAACCTTTAAAACCTTGAAGTAGGTAGCAACGTGGCTTTTTTTTTTTTCCCTTCTGGGTCTAC
CACTCAGAGAAACAATGGCTAAGATACCAAAACCACAGTCCGACAGCTCTCCAATACTCAGGTTAATG
CTGAAAAATCATCCAAGACAGTTATTGCAAGATTTAATTTTTGAAAACCTGGCTACTGCTCTGTGTTTA
CAGACGTGTGCAGTTGTAGGCATGTAGCTACAGGACATTTTTAAGGGCCAGGATCGTTTTTTCCAGG
GCAAGCAGAAGAGAAAATGTTGTATATGTCTTTTACCCGCGACATTCCCTTGCCTAAATACAAGGGCT
GGAGTCTGCACGGGACCTATTAGAGTATTTCCACAATGATGATGATTTTACGAGGGATGACGTCATCA
TCACATTCAGGGCTATTTTTTCCCCACAAACCAAGGGCAGGGGCCACTCTTAGCTAAATCCCTCCCC
GTGACTGCAATAGAACCCTCTGGGGAGCTCAGGAAGGGGTGTGCTGAGTTCTATAATATAAGCTGCCAT
ATTTTTGTAGACAAGTATGGCTCCTCCATATCTCCCTCTCCCTAGGAGAGGAGTGTGAAGCAAGGAG
CTTAGATAAGACACCCCTCAAACCCATTCCCTCTCCAGGAGACCTACCTCCACAGGCACAGGTCCCC
AGATGAGAAGTCTGCTACCCTCATTCTCATCTTTTTACTAAACTCAGAGGCAGTGACAGCAGTCAGGG
ACAGACATACATTTCTCATACCTTCCACATCTGAGAGATGACAGGGAAAACCTGCAAAGCTCGGTGCT
CCTTTTGGAGATTTTTAATCCTTTTTTATTCCATAAGAAGTCGTTTTTGGGAGAACGGGAATTCAGA
CAAGCTGCATTTAGAAAATGCTGTCATAATGGTTTTTAAACACCTTTTACTCTTCTACTGGTGTATTT
TGTAGAATAAGGAACAACGTTGACAAGTTTTGTGGGGCTTTTTATACACTTTTTAAAATCTCAAACCTTC
TATTTTTATGTTAACGTTTTTCATTAATAATTTTTTTGTAACCTGGAGCCACGACGTAACAAATATGGGG
AAAAAAGTGTGCCTTGTTCACAGTTTTTGTCTAATTTTTAGGCTGAAAGATGACGGATGCCTAGAGTT
TACCTTATGTTTAATTAATAATCAGTATTTGTCTA
ACGCGTAAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
```

**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\\_175848.2](#)

**Summary:** CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase which is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes primarily to the nucleus and its expression is developmentally regulated. Mutations in this gene cause the immunodeficiency-centromeric instability-facial anomalies (ICF) syndrome. Eight alternatively spliced transcript variants have been described. The full length sequences of variants 4 and 5 have not been determined. [provided by RefSeq, May 2011]

**Locus ID:** 1789

**MW:** 56.5