

Product datasheet for **SC214754**

SETD4 (NM_017438) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SETD4 (NM_017438) Human 3' UTR Clone
Symbol:	SETD4
Synonyms:	C21orf18; C21orf27
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_017438
Insert Size:	1482 bp



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Insert Sequence: >SC214754 3'UTR clone of NM_017438
The sequence shown below is from the reference sequence of NM_017438. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCACAGTTTGCAAACAGCTTTTACCTGATTTTACCGAAGCGCATTGGTACCTCCTCTGAAACAAA
AGTTAATTTTGAAGAGCATCATCATGGGCTGGGGTGGTGGCTGCCCCAGGACATGCAGGATTTCTGCA
GGGGGACGACAGGTTCTGGGATTGTGAGGCTGTGAGTGAAGGTGGACAAGCTGTCTGGATGGCAGGTC
TAATGCTCTTCCGAATAAAGTGTGAAGTGTGAGGAGAGAGGGCGACTGTGAGGCAGCCAGGAGCCAGC
TGCGTCCGTGTGTGGTCTGTCAACACGGGGCTGCTTCTTATCTGACACAGCAGCTATCAGAGTCTAGT
GGTTGTGCTTTTAAGATGCTCTGATACCATTTGGGTTAAGGGGAGATTGGCGGTGGGTGTGGGCGAGTG
TGAGGTAGTCTGGATCCCCGCCAGGGTGGCCAGACGCCAGCCCTTCCCTGTGTGGCTGCACTGAGGT
GGGTGTTGAAGAGCCCCCTAGGGGACACACAGCTTCCAGGAGGAGGAATGCTCTAAGCATGCTCCT
GGCCTCTCAAGGTGGCGCTTGTCTAATTATTCACTTGGGAAGAATGACTAGCTCAGCCAGCGGCTCTT
CTGCTTTGTTCTGGCGACTTTCTGGGCGAGCCTTTCCACCTGGGGAGCTGGCTCATCTGCACAGCTG
GGCCGTGGTGGGCTGTCTGCTTATTCTGGGGTTCAGTGTAGGTGAGTGCAGCTGATGGCGAACCATGGTGGT
GGTTTGGCTTCTGTTCTTATTCTTGAGTTTGTATACCACGACAGCTTGGGTGGGAGAGCTTCTGCA
CAGCTCTCAGCGGCTGTGGCCTTGAAGTGCCTGCGTAAGTAACGAGGGGGCTGCTGGTCTGTTCAG
GCCCCGTGCTGGGACGCCGCTTAGACAATGTTGCCAGAGTCTGTTTACCCTCCAGGGTTCATTCTT
CCCAAGAACTCAAATTCCTTTCTCATTGGAGCCTAGTGAACCAAATGAACGGGACCTGCTGGCCTCAG
GAGGCAGGCAGAGTTTAAATAAACTTTCTCATGATTTCTTGAACATCTTCCCTGTTTGTATATACA
CTTTGTGTTTATTTTTCAGTAGCTGCAGTATATTTTTTTCAATATTCAAGTATAATGCAGTGTATTTC
TCATATGCTGTATGGAGAGTGGGCGAGCTTCTGTGGAGGGCCCGATAGTAACCATTTGAAGCTTTCTGG
ACCTGTGGTCTTAGTCCAGCGATTCTGCAGAGCGGCCATCGGCAGCATGTCAACCATTTGCATGGCTG
GGCTCCAGGGAACTACTGACAACGACAGGTGGTGGGCCATAGTTTCTGACCCCTGTGCTATGCCAGA
ATTTCTTTTCTCTTCCCTATGAGTGGACCTAAATATGTTAATTCCTTTTACCTTTCAAACGGGACA
GCCCCTTGAACATTAAAACTTCGCAGACCCTA
ACGCGTAAGCGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_017438.5

Summary:	Histone-lysine N-methyltransferase that acts as a regulator of cell proliferation, cell differentiation and inflammatory response (PubMed:31308046). Regulates the inflammatory response by mediating mono- and dimethylation of 'Lys-4' of histone H3 (H3K4me1 and H3K4me2, respectively), leading to activate the transcription of proinflammatory cytokines IL6 and TNF-alpha (By similarity). Also involved in the regulation of stem cell quiescence by catalyzing the trimethylation of 'Lys-20' of histone H4 (H4K20me3), thereby promoting heterochromatin formation (PubMed:31308046). Involved in proliferation, migration, paracrine and myogenic differentiation of bone marrow mesenchymal stem cells (BMSCs) (By similarity).[UniProtKB/Swiss-Prot Function]
Locus ID:	54093
MW:	53.5