

Product datasheet for **SC103537**

TET2 (AK000039) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TET2 (AK000039) Human Untagged Clone
Tag:	Tag Free
Symbol:	TET2
Synonyms:	KIAA1546; MDS
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AK000039, the custom clone sequence may differ by one or more nucleotides

```
ACGCTGATAATGCCAGTAACTAGCTGCAATGCTAAATACCTGTTCTTTTCAGAAACCAGAAACAATTATC
AACAACTTAATCAGTTTTTGGAGATATGCCATCTCCTGCAGAAAATAACATCCAGGGAACCACAAAAGCT
AGCGTCTGGTGAAGAATTCTGTTTCAGGTTCCAGCAGCAATTTGCAAGCTCCTGGTGGCAGCTCTGAACGG
TATTTAAAACAAAATGAAATGAATGGTGTCTTCAAGCAAAGCTCAGTGTTCCTAAGGATTCCTTTT
CTGCCACTACCACACCACCACCACCATACAATGCTTCTTTCTCCCCCTCCTCCTTCCACAGGTTCC
TCAGTTCTTTCAGAAGGAAAAAGCACTCTGAATGGTGGAGTTTTAGAAGAACACCACCCTACCCCAAC
CAAAGTAACACAACACTTTTAAGGGAAGTGAATAAGAGGGTAAACCTGAGGCACCACCTTCCCAGAGTC
CTAATCCATCTACACATGTATGCAGCCCTTCTCCGATGCTTTCTGAAAGGCCTCAGAATAATTGTGTGAA
CAGGAATGACATACAGACTGCAGGGACAATGACTGTTCCATTGTGTTCTGAGAAAACAAGACCAATGTCA
GAACACCTCAAGCATAACCCACCAATTTTTGGTAGCAGTGGAGAGCTACAGGACAACCTGCCAGCAGTTGA
TGAGAAAACAAGAGCAAGAGATTCTGAAGGGTCGAGACAAGGAGCAAACACGAGATCTTGTGCCCAAC
ACAGCACTATCTGAAACCAGGATGGATTGAATGAAGGCCCTCGTTTTACCAAGCGGAATCCCATCTA
AAACGTAATGAGGCATCACTGCCATCAATCTTCAGTATCAACCCAATCTCCAATCGAATGACCTCCA
AACAACTACTGGAAATTCACATGCCTGGGGGCTCCCAAGGCAAGCTTACACCAGAAAACAACACA
GCTGGAGCACAAGTCACAAATGTACCAAGTTGAAATGAATCAAGGCGAGTCCCAAGGTACAGTGGACCAA
CATCTCCAGTTCCAAAAACCCTCACACCAGGTGCACTTCTCCAAAACAGACCATTACAAAAAGCTCATG
TGCAGTCACTGTGTGGCACTAGATTTTCAATTTTCAACAAAGAGCAGATTCCCAAAGTAAAAAATTATGTC
CCCAGTGTGAAACAGCACTTGAATCAACAGGCTTCCAGAGACTGAGCCATTTTCAAACCTCACACCTTTG
CAACATAAGCCTCATAAACAGGCAGCACAACACAACCATCCAGAGTTCACATCTCCCTCAAACCAGC
AACAGCAGCAAAAATTACAAAAAAAAAAAAAAAAA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for AK000039 unedited TCCAAAATTTGNTATACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGGCAAGCT CCTGGTGGCAGCTCTGAACGGTATTTAAAAACAAAATGAAATGAATGGTGCTTACTTCAAG CAAAGCTCAGTGTTCCTAAGGATTCTTTTCTGCCACTACCACACCACCACCACCATCA CAATTGCTTCTTCTCCCCTCTCCTCTTCCACAGGTTCTCAGCTTCTTCAGAAGGA AAAAGCACTCTGAATGGTGGAGTTTGAAGAACACCACCCTACCCCAACCAAGTAAC ACAACACTTTTAAGGGAAGTAAAAATAGAGGGTAAACCTGAGGCACCACCTTCCCAGAGT CCTAATCCATCTACACATGTATGCAGCCCTTCTCCGATGCTTTCTGAAAGGCCTCAGAAT AATTGTGTGAACAGGAATGACATACAGACTGCAGGGACAATGACTGTTCCATTGTGTTCT GAGAAAACAAGACCAATGTCAGAACACCTCAAGCATAACCCACCAATTTTGGTAGCAGT GGAGAGCTACAGGACAACCTGCCAGCAGTTGATGAGAAACAAGAGCAAGAGATTCTGAAG GGTCGAGACAAGGAGCAAACACGAGATCTTGTCNCAACACAGCACTATCTGAAACCA GGATGGATTGAATTGAANGCCCCTCGTTTTACCAAGCCGAATCCCATCTAAAAGNTAT GAGGCATCACTGCCATCAATTCTCAGTATCACCAATCTCTCCATCAAATGACCTCCCA ACAATACACTGGAAAATCCAACATGCCTTGGGGGGCTTCCAAGNCAAGCTTACACCAGAA AAACACCCAGCTTGGGCCACAGTCACAAATGTTCCAGTTTGAATGGAATCAAGGCATT CCCAGGTACAATGGACCAACATCTCCGTTCCAAAACCTCTCACCAGTGCCATTTTCCA AAG
Restriction Sites:	NotI-NotI
ACCN:	AK000039
Insert Size:	4000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	AK000039.1 , BAA90898.1
RefSeq Size:	1364 bp
RefSeq ORF:	1364 bp
Locus ID:	54790
Cytogenetics:	4q24

Gene Summary:

The protein encoded by this gene is a methylcytosine dioxygenase that catalyzes the conversion of methylcytosine to 5-hydroxymethylcytosine. The encoded protein is involved in myelopoiesis, and defects in this gene have been associated with several myeloproliferative disorders. Two variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]