

Product datasheet for **MC216498**

Setd6 (NM_001035123) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Setd6 (NM_001035123) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Setd6
Synonyms:	0610039J04Rik; 3110004G14Rik; AI413388; C76402
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216498 representing NM_001035123
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCCGCCCAAGCGCGCGGGTAAGTGGCGGGTCCGCCCTCGTCGCGCCTGTCCCTCCCGA
 GAGCTGCCCGCGGCCCTGCCGCTCCCTGCGGGTCCAGCGCGCGAGCCGAGGGCGACGCGGTGGC
 CGGCTTCTGCGCTGGTGCAGGCGAGTGGGGCTGGAGCTGAGTCCTAAGGTGACGGTGAAGCCGAGGGC
 ACGGTGGCCGGCTATGGCATGGTGGCGGGAGAGCGTGCGGGCCGGGAGCTCCTTTTCGAGTCCCGC
 GGTCCGCGCTTGTCCCCCACACCTGTTCCATCAGCGGCTGCTGGAGCGAGAGCGAGGGCGCGTGA
 GAGCTGTCTGGTGGTGGCGTGTCTGGCGCTGCTCCACGAGCTCCAGGCCCCAGCATCACCTGG
 AGCCCTTACTTCGCGCTCGGCCAGAGCTGGGGCGTTGGAGCATCCCATGTTTTGGCCGGAGGAAGAGC
 GGTTCGACTCCTAAAGGTACAGGTGTCCCCAAGCCGTGGAGAAGGATTTGGTGAACATCCGTAGCGA
 ATACTATCCATCGTCTGCCCTTCATGGAGGCTCACTCGGATCTTTCAGCCCCCTGTTCGCTCCCTG
 GAACTCTATCAGCAGCTCGTGGCCCTCGTGATGGCTTATAGCTTCAAGAACCCTGGAGGAAGATGATG
 ATGAAAAGGAGCCCAACTCACCTTGATGGTGCCTGCTGCAGACATACTAAACCACATAGCCAATCATAA
 TGCCAATCTAGAGTACTCGGCAGATTATCTCCGGATGGTGGTACTCAGCCCATCTTGAAGTCAATGAA
 ATCTTCAACACATATGGGCAAAATGGCTAACTGGCAACTGATTCATATGTATGGTTTTGCTGAGCCATC
 CTAACAACACAGACGACCGGCTGACATTCAGATGGTGACAGTCCGAGATGCTGCACTGCAGGGAACAAA
 GGATGAACTGAAAGCTGCTCGTGTGTGAACGCTGGGATTTCTGTGCAAAACAGGAGATGGTAGGGGAA
 GAGGGAGCCTTTGTGATAGTTGTGAGGAGTGTGACTGAAGAGGAGCTAGCCACCACACTGAAGGTAC
 TGTGCATGCCTGCTGAGGAGTTCAGAGACTATAAAGAGCGGGCTGGATGGGGAGAGGAGACAGAAGA
 CGACAGTTTGGCAATCACAGATATCCCCAAGCTCCAAGAATCATGGAAACGGCTTCTCGAAACAGTGT
 CTGTTGACCTACAGACCTACACCACAGACTTAAAAACAGACCAGGACTTACTCAGTAATAAGGAGGCT
 ATGCCACGCTGAGCTGGCGCAACAACAGCCTTACAGTCCGCTATGGTGAAGATGATCTTACATCG
 GGTGTTGGAACACAAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001035123

Insert Size: 1422 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:

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:	<u>NM_001035123.3, NP_001030295.1</u>
RefSeq Size:	1669 bp
RefSeq ORF:	1422 bp
Locus ID:	66083
UniProt ID:	<u>Q9CWY3</u>
Cytogenetics:	8 D1
Gene Summary:	Protein-lysine N-methyltransferase. Monomethylates 'Lys-310' of the RELA subunit of NF-kappa-B complex, leading to down-regulate NF-kappa-B transcription factor activity. Monomethylates 'Lys-8' of H2AZ (H2AZK8me1) (By similarity). Required for the maintenance of embryonic stem cell self-renewal (PubMed:23324626).[UniProtKB/Swiss-Prot Function]