

Product datasheet for **RN202025**

Setd6 (NM_001106167) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Setd6 (NM_001106167) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Setd6
Synonyms:	RGD1560538
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202025 representing NM_001106167
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCTGCCCCGCGAAGCGCGCGGGTAAGCGACGCATCCCCCTCGCTGCGCCTGCCCTGTCCAA
 GAGCTGCCGCCCGCGTCCCCCTGCCGCTCCCGCGGGGCCAGCGGCCACGAGCCGAGAGTGACGCAGT
 GGCCGGCTTCTGCGCTGGTGCACGCGAGTGGGCTGGAGCTGAGTCCCAAGGTGCTGGTGAAGCGGAG
 GGCACGGTGGCCGGCTACGGCATGGTGGCGCGGAGAGCGTGCAGCCCGGGAGCTGCTGTTGCGAGTGC
 CGCGGTCCGCGCTCTGTCTCCACACCTGTTCCATCAGCGACCTGCTCGAGCGAGAGCGAGGCGCGCT
 GCAGAGTCTGTCCGGTGGTGGCGTCTGCTGGCGTCTCCACGAGCTGCAGCCCCCGCTCACCC
 TGGAGCCCTACTTCGCGCTCTGGCCAGAGCTGGGCGATTGGAGCATCCCATGTTTGGCCGAGGAAG
 AGCGGTTGCGCTCTAAAGGTACAGGTGTCCAGAGGCGTGGAGAAGGATTTGGTGAACATCCGTAG
 CGAATACTATTCCATCGTCTGCCCTTCATGGAGGCTCACTCCGATCTTTCAGCCCCACTGTTGCTCC
 CTGGAGCTCTATCGCCAGCTCGTGGCTCTGTGATGGCTTATAGCTTCAAGAACCGCTGGAGGAGGAGG
 AGGATGAAAAGGAGCCCACTCCCCGTTGATGGTGGCCGCTGCAGACATTCTAAACCACATAGCCATCA
 TAATGCCAACCTAGAGTACTCTGAGAATATCTCCGAATGGTGGCTACTCAACCCATTCTCAAAGGTAC
 GAAATCTTCAACACATATGGGCAATGGCTAAGTGGCAGCTGATTCACATGTATGGTTTCGCCGAGCCCT
 ACCCTAACACACAGATGACACAGCGGACATTCAGATGGTGGCAGTCCGCGAAGCTGCACTGCAGGGAAC
 AGAGGATGAAACCGAGAGGCTGCTCCTATGTGAACGCTGGGATTTCTGTGCAACAGGAGCTGGTAGGG
 GAAGAGGGAGCCTTTGTGATAGGTGCTGAGGAGGTGCTGACTGAAGAGGAGCTAGCCACCACACTTAAGG
 TACTGTGCATGCCTGCTGAGGAGTTCAGAGACTACAAAGAGCGGGCTGGATGGGAGAGGAAGAGACTGA
 AGATGGCAGTCTGGCAATCACAATATCCCAAGCTCCAAGAATCGTGGAAACGGCTTCTTCGAGACAGT
 GTTCTGTTGACCCTACAGACCTATGCCACAGACTTAAAACTGAGCAGGATTTACTCAGTAACAAGGAGG
 TCTATGCCAAGCTGAGCTGGCGGGAGCAGCAAGCCTTGCAAGTCCGCTATGGTCAGAAGATGATCTTGCA
 TCGGTTGCTAGAACTACAAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001106167

Insert Size: 1425 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_001106167.1, NP_001099637.1</u>
RefSeq Size:	1683 bp
RefSeq ORF:	1425 bp
Locus ID:	291844
UniProt ID:	<u>D3ZSK5</u>
Cytogenetics:	19p13
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 (By similarity).[UniProtKB/Swiss-Prot Function]