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Product datasheet for SC305166

SETD6 (NM_024860) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SETD6 (NM_024860) Human Untagged Clone
Tag:	Tag Free
Symbol:	SETD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305166 representing NM_024860. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGACCCAGGCGAAGCGTCCACGGGTGGCGGGGCCCGTGGACGGCGGCGACCTGGATCCTGTGGCC TGCTTCCTGAGCTGGTGCCGGCGGGTGGGGCTGGAGCTGAGTCCCAAGGTGGCGGTCAGCCGGCAGGGC ACGGTGGCCGGCTACGGCATGGTGGCCCGGGAGAGCGTGCAGGCCGGAGAGCTGTTGTTCGTGGTGCCG CGGGCCGCGCTCCTGTCGCAGCACACCTGCTCCATCGGCGGCCTGCTGGAGCGAGAGCGAGTTGCGCTG CAGAGCCAGTCGGGCTGGGTGCCACTGCTGCTGGCGCTGCTCCACGAGCTGCAGGCCCCGGCCTCACGC TGGAGGCCCTACTTTGCGCTCTGGCCCGAGCTGGGCCGCTTGGAGCACCCGATGTTCTGGCCAGAGGAG GAGCGCCGGTGCCTGCTCCAGGGCACAGGCGTACCTGAGGCCGTGGAGAAGGATTTGGCCAACATCCGC AGCGAGTACCAGTCCATCGTGCTGCCCTTCATGGAAGCCCACCCCGATCTCTTCAGCCTCAGGGTTCGC TCCCTAGAACTCTACCACCAGCTGGTGGCCCTTGTGATGGCCTATAGCTTTCAGGAACCACTGGAGGAA GAAGAGGATGAAAAGGAGCCCAACTCCCCCGTGATGGTGCCTGCTGCAGACATACTAAACCACTTAGCC AATCACAACGCCAATCTAGAATACTCTGCGAATTGTCTTCGGATGGTAGCCACTCAGCCCATTCCTAAA GGCCATGAGATTTTCAACACTTATGGGCAAATGGCTAACTGGCAACTGATTCATATGTACGGTTTTGTT GAACCATATCCTGACAACACAGATGACACAGCTGACATTCAGATGGTGACAGTTCGTGAGGCAGCATTA CAGGGAACAAAAACTGAAGCTGAAAGGCACCTAGTGTACGAGCGCTGGGATTTCCTATGCAAACTGGAG ATGGTAGGGGAAGAGGGAGCCTTTGTGATAGGGAGGGAGGAGGTGCTGACTGAAGAGGAGCTGACCACC ACACTAAAGGTACTGTGCATGCCTGCTGAGGAGTTCAGAGAGCTTAAAGACCAGGATGGAGGGGGAGAT GATAAAAGGGAAGAGGGCAGCCTGACGATCACAAATATTCCCAAGCTCAAAGCATCGTGGAGACAGCTG CTTCAAAACAGTGTTCTACTGACTTTGCAGACCTATGCCACAGACTTAAAAACTGACCAAGGTTTACTC AGTAATAAGGAAGTCTATGCGAAACTCAGCTGGAGGGAACAGCAAGCCTTACAGGTTCGCTATGGTCAG AAGATGATCTTACATCAGTTGTTGGAGCTGACAAGTTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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ACCN:	NM_024860
Insert Size:	1350 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_024860.3
RefSeq Size:	2924 bp
RefSeq ORF:	1350 bp
Locus ID:	79918
UniProt ID:	Q8TBK2
Cytogenetics:	16q21
MW:	50.8 kDa
Gene Summary:	This gene encodes a methyltransferase that adds a methyl group to the histone H2AZ, which is involved in nuclear receptor-dependent transcription. The protein also interacts with several endogenous proteins which are involved in nuclear hormone receptor signaling. A related pseudogene is located on chromosome 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016] Transcript Variant: This variant (2) lacks an in-frame segment in the coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.