

Product datasheet for **SC326512**

SETDB1 (NM_001145415) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SETDB1 (NM_001145415) Human Untagged Clone
Tag:	Tag Free
Symbol:	SETDB1
Synonyms:	ESET; H3-K9-HMTase4; KG1T; KMT1E; TDRD21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001145415 edited
 ATGTCCTCCCTTCTGGGTGCATTGGTTTGGATGCAGCAACAGCTACAGTGGAGTCTGAA
 GAGATTGCAGAGCTGCAACAGGCAGTGGTTGAGGAAGTGGTATCTCTATGGAGGAAGT
 CGGCATTTTCATCGATGAGGAAGTGGAGAAGATGGATTGTGTACAGCAACGCAAGAAGCAG
 CTAGCAGAGTTAGAGACATGGGTAAATACAGAAAGAATCTGAGGTGGCTCACGTTGACCAA
 CTCTTTGATGATGCATCCAGGGCAGTACTAATTGTGAGTCTTTGGTGAAGGACTTCTAC
 TCCAAGCTGGGACTACAATACCGGGACAGTAGCTCTGAGGACGAATCTCCCGGCCTACA
 GAAATAATTGAGATTCCTGATGAAGATGATGATGTCTCAGTATTGATTCAGGTGATGCT
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 GCTCAAGATGTTGAGAAGTTCATGGATGCTGTCAACAAGAAGAGCAGTTCAGGATCTG
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 AGCATGCGAATTCGGGCAAGAAGAGAAGTAAAGCTTGGCACAAGGCACCCCTTATTGCC
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TGTGGGGCCATTGAATGCAGAGGACGTCTTCTTTAG

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Restriction Sites:

Please inquire

ACCN:

NM_001145415

Insert Size:

3900 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:	<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:	NM_001145415.1 , NP_001138887.1
RefSeq Size:	4449 bp
RefSeq ORF:	3876 bp
Locus ID:	9869
UniProt ID:	Q15047
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome
Protein Pathways:	Lysine degradation
Gene Summary:	<p>This gene encodes a histone methyltransferase which regulates histone methylation, gene silencing, and transcriptional repression. This gene has been identified as a target for treatment in Huntington Disease, given that gene silencing and transcription dysfunction likely play a role in the disease pathogenesis. Alternatively spliced transcript variants of this gene have been described.[provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>