

Product datasheet for **SC115150**

SETD2 (NM_014159) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SETD2 (NM_014159) Human Untagged Clone
Tag:	Tag Free
Symbol:	SETD2
Synonyms:	HBP231; HIF-1; HIP-1; HSPC069; HYPB; KMT3A; LLS; p231HBP; SET2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014159, the custom clone sequence may differ by one or more nucleotides

```

ATGAAGCAGCTGCAGCCGAGCCGCCTCCGAAGATGGGGATTCTACGACCCGGAGCACCCGACCCCTG
AAGAAGAAGAAAATGAGGCAAAGATTGAAAATGTGCAGAAAACAGGTTTCATCAAAGGACCAATGTTCAA
AGGTGTTGCTTCTAGTCGATTTTGCCCAAAGGCACAAAACAAAAGTTAATTTGGAAGAACAGGGACGA
CAGAAGGTGTCATTAGCTTTCAGCCTTACAAAGAAAACTTGCAGAATAGGTTTCTCACTGCCTTGGCA
ATGAAAAGCAAAGTGATACTCCAAACCCCTCAGCTGTACCTTTCAGGTAGACTCGACTCCTAAAAATGAA
AATGGAATTTGGTGATACCTTATCTACTGCAGAAGAATCTCCCCACAAAGTCAAGGGTGAATGGGC
AAAATTCATTTAAGAAACATCTGCTTCATGTAACATCCAGGCCACTGCTGGCTACTACCACAGCAGTAG
CATCTCCACCTACTCATGCAGCACCATTACCAGCAGTGATAGCAGAATCAACAACGTAGACTCACCGCC
CTCATCTCCGCTCCACCGCCTCCACCTGCCAAAGCCACAACACTCTCATCACCAGCACCAGTAACAGAG
CCAGTGGCCTTGGCACATACACCAATAACAGTTCTAATGGCAGCACCAGTACCCTTACCAGTAGATGTAG
CAGTTAGATCTCTGAAAGAACCACCAATTATAATTGTACCAGAATCTTTAGAAGCAGATACTAAGCAGGA
CACTATATCTAATAGTTTAGAAGAACACGTAACCTCAAATATTGAATGAGCAAGCAGATATTTCTCAAAA
AAAGAAGATCCCATATTGGGAAGGATGAAGAAATCCAGATAGTTCTAAGATTAGTCTGAGCTGTAAAA
AAACAGGTCTAAGAAGAAATCCTCACAACTCTGAAGGCATCTTTCTTGGTTCAGAATCTGATGAAGATTC
TGACGGACTTCTCAAGTCAAAGATCACATGATTTAAAAATTTTCAGCAAGCATTGAAAAGGAAAGAGAT
TTTAAAAAGAGCTCAGCACCTTTAAAAAGTGAGGATCTAGGGAAACCTTACGATCTAAAAACAGACAGAG
ATGATAAATATTTTAGCTATTCAAAACTTGAAAGAGATACTCGGTATGTATCTTCCCGATGTAGATCAGA
AAGAGAGCGACGGCGGAGCAGATCTCACTCTAGGTCTGAGAGAGGCTCTAGAACTAATTTATCCTATTCC
AGGTGAGAACGATCTCATTATTGACTCTGATCGTCGTACCATAGGAGCTCCCCTTATCGAGAGAGGA
CGCGCTATTCTCGGCATACACAGATAACAGAGCAGGAGAGATTCTGACTCAGAAGAAGAGTATAAGAA
GACATACTCAAGGCGTACCTCATCTCATTCTCTTACAGAGACCTAAGGACATCATCTATTCTAA
TCTGATCGGGACTGTAAAACGAGACCTTACTTAGAGATGGAAGAAGAGGCAAGTATCTTCAAAC
TAGAAAGAGAATCTAAAAGGACTTCAGAAAATGAAGCAATTAAGATGTTGTTCTCCCCTAATGAAC

```



[View online »](#)

GGGATTCCGACGAGGGTCATCATATTCTAAGCATGACAGTAGTGCTTCCCGTTATAAATCTACCCTTCA
AAACCTATACCCAAGTCTGATAAATTTAAAAATCTTTCTGTTGTACAGAATTAATGAAGAAATCAAAC
AGTCTCATTCTTTTAGTTTACAGACACCTTGTTCAAAGGTAGTGAATTAAGAATGATTAATAAAAAATCC
TGAAAGAGAAAAGGCTGGGTCTCCAGCTCCATCAAATCGATTAATGATTCACCTACTTTAAAAAAGCTA
GATGAATTGCCTATTTTTAAGTCCGAATTTATAACACATGATAGCCATGATAGTATTAAGGAATTAGACT
CTTTATCTAAAGTGAAGAATGATCAATTAAGAAGTTTTGTCCCATAGAATTAATATAAATGGATCTCC
TGGGGCAGAATCTGATTTGGCAACATTTGCACTTCTAAAACTGATGCTGTTTTAATGACTCTGATGAT
AGTGTGACTGGATCGGAATTATCCCTTTGGTCAAAGCATGCATGCTTTCATCAAATGGATTTTTCAGAATA
TTAGTAGGTGCAAAGAAAAAGACTTGGATGATACCTGCATGCTGCATAAGAAGTCAGAAAGCCATTAG
AGAAACAGAACCTCTGGTGTCAACACACCAAGATAAACTCATGTCTATGCCAGTTATGACTGTGGATTAT
TCCAAAACAGTAGTTAAAGAACCAGTTGATACGAGGGTTTCTGTGCAAAACCAAAGTTCAGACATAT
ACTGTACTTTGAACGATAGCAACCCTTCTTTGTGTAACCTCTGAAGCTGAAAAATTTGAGCCTTCAGTTAT
GAAGATTTCTTCAAATAGCTTTATGAATGTGCATTTGGAATCAAACCAGTTATATGTGATAGTAGAAAT
TTGACAGATCACTCAAATTTGCATGTGAAGAATAAAGCAGAGCATCGGTAGCACTAGTTCAGCTTCTG
TTAATCATTTTGATGATTTATATCAACCTATTGGGAGTTCAGGTATTGCTTCATCTCTTCAGAGTCTTCC
ACCAGGAATAAAGGTGGACAGTCTAACTCTTGAATGCGGAGAGAACACATCTCCAGTTCTGGATGCA
GTGCTAAAGAGTAAAAAAGTTCAGAGTTTTTAAAGCATGCAGGGAAAAGAAACAATAGTAGAAGTAGGTA
GTGACCTTCTGATTCAGGAAAGGGATTGCTTCCAGGGAGAACAGGCGTAATAATGGGTTATCTGGGAA
ATGTTTGAAGAGGCTCAAGAAGAAGGGAATCCATATTGCTGAAAGAAGAGGAAGACCAGAAATCTCT
TTAGATGAAAGAGGAGAAGGAGGACATGTGCATACTTCTGATGACTCAGAAGTTGATTTTTCTTCTGTG
ATTTGAATTTAACCATGGAAGACAGTGTGGTGAACCTATGCATTAAGTGTGACAGTAGTGGTCATGC
CCCAGAAATGTGTCTACAGTTCATGAAGATTATCTGGCTCTTCTGAAAGTTCAAATGATGAAAGTGT
TCAGAAGATACAGATTCCGATGATAGCAGTATTTCCAAGAAACCGTCCAGTCTGTGTGGTTGTGCCAA
AGAATTTACTTTGCCCATGGAAGAAACAAGCTTTGTTCTTCTCGGAGCAGTCAAAGTTATAGACTA
TTCTGACCATTGGGAAGATGAGAGATTGGAGTCAAGGAGACATTTGTATGAGAAAAATTTGAAAGTATA
GCAAGTAAAGCCTGTCTCAAACGATAAGTTTTTCTTCATAAAGGAACAGAGAAGAACCGGAAATTT
CTTTTACACAGTCCAGTAGAAAACAAATAGATAATCGCCTGCCTGAACTTCTCATCCTCAGAGTATGG
GGTTGATAGTACAAGTCATACAGATGTGAAATCTGACCTCTGGGTCAACCAAATTCAGAGGAAACCGTG
AAAGCCAAATACCTTCTAGGCAGCAAGAAGAGCTGCCAATTTATTTCTGATTTTGAAGATGTCCCAA
ATAAGTCTTGGCAACAGACCCTTCCAAAACAGGCCAGATAGTAGACTGGGAAAAACAGAATTGAGTTT
TTCTTCTTGTGAGATACCACATGTGGATGGCTTGCACTCATCAGAAGAGCTCAGAAACTTAGGTTGG
GACTTCTCTCAAGAAAAGCCTTCTACCAGTATCAGCAACCTGACAGTAGCTATGGAGCTTGTGGTGGAC
ACAAGTATCAGCAAAATGCAAGAACGATGGTGGGACACGTGATTACTGGCAAGGCAATGGTTACTGGGA
TCCAAGATCAGGTAGACCTCTGGAACCTGGGTTGTGTATGATCGAACTCAAGGACAAGTACCAGATTCC
CTAACAGATGATCGTGAAGAAGAGGAGAATGGGATCAACAGGATGGATCCCATTTTTCAGACCAGTCCG
ATAAATTTCTTCTATCCCTTTCAGAAAGACAAGGGGTCAAGTGAAGCACCTGAAATAAGCAGCAATCCAT
TAAGGACACTTTAGCTGTGAATGAAAAGAAAGATTTTTCAAAAACTTAGAAAAAATGATATCAAAGAT
AGAGGGCTCTTAAAAAAGGAGGCAGGAAATAGAGAGTATTCTGAAAGTGTGGTGGAGCTTCAGGACA
GAAAGAAAAGTTAGAGTGGAGGTAGAGCAGGGAGAGACATCAGTGCCCCCAGGTTTCAGCACTGGTTGGCC
CTCCTGTGTATGGATGACTTCAGGGACCCACAGCGATGGAAGGAATGTGCCAAGCAAGGAAAAATGCCA
TGTTACTTTGATCTTATTGAAGAAAATGTTTTTAAACAGAAAAGAAAGAATAAATCTCATCGAGATA
TTAAGCGAATGCAGTGTGAGTGTACACCTTTTCTAAAGATGAAAGAGCTCAAGGTGAAATAGCATGTGG
GGAAGATTGTCTTAATCGTCTTCTCATGATTGAATGTTCTTCTCGGTGTCCAAATGGGGATTATTGTTCC
AATAGACGGTTTCAGAGAAAACAGCATGCAGATGTGGAAGTCATACTCACAGAAAAGAAAGGCTGGGGCT
TGAGAGCTGCCAAAGACCTTCTTGAACACCTTTGTCTTCTAGAAATATTGTGGAGAGGTACTCGATCATAA
AGAGTTTAAAGCTCGAGTGAAGGAGTATGCACGAAAACAAAACATCCATTACTATTTTCATGGCCCTGAAG
AATGATGAGATAATAGATGCCACTCAAAGGAAATGCTCTCGTTTCATGAATCACAGCTGTGAACCAA
ATTGTGAAACCCAAAAATGGACTGTGAACGGCAACTGAGGGTTGGGTTTTTACCACCAAATGTTCC
TTCAGGCTCAGAGTTAACGTTTGAATATCAGTTCCAGAGATATGAAAAAGAGCCAGAAATGTTTCTGC
GGATCAGCCAATTGCCGGGTTACTGGGAGGAGAAAACAGAGTCAAGTACAGAGCAGCAGGAGGGAAAA
TGAAGAAGGAACGATCTCGTAAGAAGGATTCAGTGGATGGAGAGCTAGAAGCTCTGATGAAAAATGGTGA
GGGTCTCTGATAAAAACAGGTGCTCAGCTTATCCCGCTAATGGTTAGAATTGAACTTTGGAGCAG

AAACTTACCTGTCTGGAACATACAGAACACACACTCACAGTCCTGCCTGAAGTCTTTCTGGAACGTC
 ATGGGCTGCTTTGTTGTGGATCTGGATGGCAGAGCTAGGTGACGGCCGGGAAAGTAACCAGAAGCTTCA
 GGAAGAGATTATAAAGACTTTGGAACACTTGCCATTCTACTAAAAATATGTTGGAGGAAAGCAAAGTA
 CTTCAATTATCAACGCTGGTCTCAGACTAAGACTGCTGCCCTCCGTTGAGTGAAGGAGATGGGTATT
 CTAGTGAGAATACATCGCGTGCTCATACACCCTCAACACACCTGATCCTTCCACCAAGCTGAGCACAGA
 AGCTGACACAGACACTCCAAGAACTAATGTTTCGCAGACTGAAAATTATAAGTAAAAATAGCATGGAC
 AGTGCAATCTCTGATGCAACCAGTGAGCTAGAAGGCAAGGATGGCAAAGAGGATCTTGATCAATTAGAAA
 ATGTCCCTGTAGAGGAAGAGGAAGAAATTGCAGTACAACAGCTACTCCCACAACAGCTGCCTGAATGCAA
 AGTTGATAGTGAACCAACATAGAACTAGTAAGCTACCTACATCTGAACCAGAAGCTGACGCTGAAATA
 GAGCCAAAGAGAGCAACGGCACAAAAGTAAGAAGCCTATTAATGAAGAAAACCCATCCCAAGTGAAG
 AGGAGGGTGTGTCTGATGTGGAGAGTGAAGGAGCCAAGAAGCAGCCAGATAAACAGTGGATATAAGTGA
 TTTGGCCACAACTCCTGGACAGTTGGAAGACCTAAAGGAGGTATATCGAATCCAAAGAAAAGTCAA
 ACTGAAAAGGAAAACACAACACTGAACGAGGAAGGGATGCTGTTGGCTCAGAGATCAAACACCTGCC
 CGAAGACTCCTAATAGGTCAAGAGAGAGAGACCCAGACAAGCAAACTCAAATAAAGAGAAAAGGAAACG
 AAGAAGTCCCTCTCACCACCCTTTCTGCCTATGAGCGGGGAACAAAAGGCCAGATGACAGATATGAT
 ACACCAACTTCTAAAAAGAAAGTACGAATTAAGACCCGAATAAACTTTCTACAGAGGAACGCCGAAGT
 TGTTTGAGCAAGAGGTGGCTCAACGGGAGGCTCAGAAAACAACAGCAACAGATGCAGAACCTGGGAATGAC
 ATCACCCTGCCCCTATGACTCTCTTGGTTATAATGCCCGCATCATCCCTTTGCTGGTTACCCACCAGGT
 TATCCCATGCAGGCCTATGTGGATCCCAGCAACCTAATGCTGGAAGGTGCTCCTGCCACACCCAGCA
 TGGACCCAGTGTGTTCTCCTGCTCCTTATGATCATGCTCAGCCCTTGGTGGGACATTCTACAGAACCCT
 TTCTGCCCTCCACCAGTACCAGTGGTCCACATGTGGCAGCTCCTGTGGAAGTTCCAGTTCACAGTACTC
 GTGGCCAGAGTATGGTGTAGTACACCAAGACTCCAGCGTTGCTGTCTTGGCAGTGCCGGCCCCGGCC
 CAGTTCAGGGACAGAATTATAGTGTGGGATTCAAACCAACAGTCTGTCAGTGTACAGCAGCAGTACTC
 TCCTGCACAGTCTCAAGCAACCATATATTATCAAGGACAGACATGTCCAACAGTCTATGGTGTGACATCA
 CCTTATTCACAGACAACCTCCACCAATTGTACAGAGTTATGCCAGCCAAGTCTTCAGTATATCCAGGGC
 AACAGATTTTACAGCTCATCCACAAGGAGTGGTGTACAGCCAGCCGACGAGTACTACAATAGTTGC
 ACCAGGGCAGCCTCAGCCCTTGAGCCATCTGAAATGGTGTGACAAAATAATCTCTTGGATCTGCCGCC
 CCCTCTCCTCCAAACCAAAAACCATTTGTCTTACCTCCAACCTGGAAGACAGCTCGAGATCCAGAAGGGA
 AGATTTTACTACCATGTGATCACAAGGCAGACTCAGTGGGATCCTCCTACTTGGGAAAGCCAGGAGA
 TGATGCCAGCCTTGAGCATGAAGCTGAGATGGACCTGGGAACCAACATATGATGAAAACCCATGAAG
 GCCTCGAAAAAGCCCAAGACAGCAGAAGCAGACACCTCCAGTGAAGTAAAGAAAAGCAAAGAAGTAT
 TCAGAAAAGAGATGTCCAGTTCATCGTCCAGTGCCTGAACCCTTACCGAAACCTGACTGCAAAGTGGG
 AAGAATTACCACAACCTGAAGACTTTAAACATCTGGCTCGCAAGCTGACTCACGGTGTATGAATAAGGAG
 CTGAAGTACTGTAAAGTCTGAGGACCTGGAGTGAATGAGAATGTGAAACACAAAACCAAGGAGTACA
 TTAAGAAGTACATGCAGAAGTTTGGGGCTTTTACAAACCAAGAGGACACTGAATTAGAGTGA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014159 unedited NGTGCAAATTTTGAATACGACTCACTATAGGGCGGCNCGCGATTCCGGCACGAGGGCAGATCTCACTCTAGGTCTGAGAGAGGCTCTAGAACTAATTTATCCTATTCCAGGTCAGAACGATCTCATTATTATGACTCTGATCGTCGCTACCATAGGAGCTCCCCTTATCGAGAGAGGACGCGCTATTCTCGGCCATACACAGATAACAGAGCACGAGAGAGTTCTGACTCAGAAGAAGAGTATAAGAAGACATACTCAAGGCGTACCTCATCTCATTCCCTCTTCTTACAGAGACCTAAGGACATCATCCTATTCTAAATCTGATCGGGACTGTAAAAGTAACTGAGACCTCTTACTTAGAGATGAAAGAAGAGGCAAGTATTCTTCAAAGTAACTAGAAAGAGAATCTAAAAGGACTTCAGAAAATGAAGCAATTAAGAGATGTTGTTCTCCCCCTAATGAACTGGGATCCGACGAGGGTCATCATATTCTAAGCATGACAGTAGTGCTTCCCGTTATAAATCTACCCTTTCAAACCTATAACCAAGTCTGATAAATTTAAAAATTCTTTCTGTTGTACAGAATTAATGAAGAAATCAAACAGTCTCATTCTTTAGTTTACAGACACCTTGTCAAAGGTAGTGAATTAAGAATGATTAATAAAAATCTGAAAGAGAAAAGGCTGGGTCTCCAGCTCCATCAAATCGATTAATGATTCACTACTTTAAAAAGCTAGATGAATTGCCTATTTTAAAGTCCGAATTATAACACATGATAGCCATGATAGTATTAAGGAATTAGACTCTNTATCTAAAGTGAAGAATGATCAATTAAGAAAGNTTTTGTCCCATAGAATAAATAATGGGNATCTCTGGGCAGAAATCTGATTTGGCAAACATTTGCACCTCTAAACTGATGCTGNNTTATGACTCTGATGAAGTGTGACTGGATCGAATT
Restriction Sites:	NotI-NotI
ACCN:	NM_014159
Insert Size:	6300 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:	NM_014159.3 , NP_054878.3
RefSeq Size:	8452 bp
RefSeq ORF:	6186 bp
Locus ID:	29072
UniProt ID:	Q9BYW2
Cytogenetics:	3p21.31
Domains:	WW, SET, PostSET, AWS
Protein Families:	Druggable Genome

Protein Pathways: Lysine degradation

Gene Summary: Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. This gene encodes a protein belonging to a class of huntingtin interacting proteins characterized by WW motifs. This protein is a histone methyltransferase that is specific for lysine-36 of histone H3, and methylation of this residue is associated with active chromatin. This protein also contains a novel transcriptional activation domain and has been found associated with hyperphosphorylated RNA polymerase II. [provided by RefSeq, Aug 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).