

Product datasheet for **SC117899**

SPOP (NM_003563) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOP (NM_003563) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPOP
Synonyms:	BTBD32; NEDMACE; NEDMIDF; NSDVS1; NSDVS2; TEF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_003563 edited
GAATTCGGCACGAGGCGCGCTCCGAGTGTGTGTATTTGTGTATCGGCGGTCCCGCAGG
TCCCGGATGTTGCGGACAGTATGAGGCAAGCGCAGGGGGACGGGGACCAGCAGCTGTCGC
CGCCGCTCTCAGATCGAGTCTTGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCGGATCTC
GGCTACTGCCACCTTTGCTCTGGGTCAAGCGATTCTTGCCTCAGCCTCCCGAGT
AGCTGGGATTACAGGGTGAAGAGGGAACAGAAATCTTGGCCCCGACTTTGGAAATCTC
GTTAACCTTCAAACGGCGATGTCAAGGTTCCAAGTCTCCACCTCCGCGCAGAAATGT
CGAGTGGCCCCGTAGCTGAGAGTTGGTGTACACACAGATCAAGGTAGTAAATTCCT
ACATGTGGACCATCAATAACTTTAGCTTTTGCCGGGAGGAAATGGGTGAAGTCATTA AAA
GTTCTACATTTTCATCAGGAGCAAATGATAAACTGAAATGGTGTGTTGCGAGTAAACCCCA
AAGGGTTAGATGAAGAAAGCAAAGATTACCTGTCACTTTACCTGTACTGGTCAGCTGTC
CAAAGAGTGAAGTTCGGGCAAAATCAAATTCATCCTGAATGCCAAGGGAGAAGAAA
CCAAAGCTATGGAGAGTCAACGGGCATATAGGTTTGTGCAAGGCAAAGACTGGGGATTCA
AGAAATTCATCCGTAGAGATTTCTTTGGATGAGGCCAACGGGCTTCTCCCTGATGACA
AGCTTACCCTCTTCTGCGAGGTGAGTGTGTGCAAGATTCTGTCAACATTTCTGGCCAGA
ATACCATGAACATGGTAAAGGTTCTGAGTGCCGGCTGGCAGATGAGTTAGGAGGACTGT
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ACAAGGCTATCTTAGCAGCTCGTTCTCCGGTTTTAGTGCCATGTTTGAACATGAAATGG
AGGAGAGCAAAAAGAATCGAGTTGAAATCAATGATGTGGAGCCTGAAGTTTTTAAGGAAA
TGATGTGCTTCATTTACACGGGGAAGGCTCCAAACCTCGACAAAATGGCTGATGATTTGC
TGGCAGCTGCTGACAAGTATGCCCTGGAGCGCTTAAAGGTCATGTGTGAGGATGCCCTCT
GCAGTAACCTGTCCGTGGAGAACGCTGCAGAAATCTCATCCTGGCCGACCTCCACAGTG
CAGATCAGTTGAAAACCTCAGGCAGTGGATTTTCATCAACTATCATGCTTCGGATGCTTGG
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GCTCTCTGGCTTCAACACAGTGCCTTTTTCTGGGACCCCCACGCAACGCCTGAAGCAAT
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CTTCGGAGACACCTGTCTGCATCTGACTGAGCAGAACAATCGTCAGGTGCCTGGAGCAA
AAAGGAAAAAAAAAAAAAGAAAGGACATTGAGTTTTAACAGAAGGGAAAAGGAAAGAGAA
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AGAAACAAATTTTAGTCCTTCTAACTGTGCTAAAACCTGGATATTTGTGAAAACCTCTTA
CCACCATAACAAGCATCAGAAGAGCTCTCTGTTGTTAGCACTTATTGTTGCAAGAACAG
AATACATCCTTTTATCCTTTTATGAAAATGACAAGTGAAGGCAAAAGGGGAAGGTTATT
TGATCTGGAAGATGAGTGTCTGATGTGGTGGCTTTTGCAAAAATCTTTATTGGTGTGA
AAACTGGAAAAATAACTCATCCAGAATTCATATTGTCTTGACAAGAAGTATGGTTCTCT
GTTTTTAGATATTGTGAAAAATGTTTTGGGCATTTTTCTCTGATTTTATTTCTTCTCCC
CCACCCCTTTTTCTAAAAACAATAAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003563 unedited
 NGGGTCGAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCGCGCTCC
 GAGTGTGTGTGATTTGTGTATCGGCGGTCCCGCAGGTCCCGGATGTTGCGGACAGTATG
 AGGCAAGCGCAGGGGGACGGGGACCAGCAGCTGTCGCCGCCGCTCTCAGATCGAGTCTTG
 CTCTGTCGCCCAGGCTGGAGTGCAGTGGCGCGATCTCGGCTCACTGCCACCTTTGCCTCC
 TGGGTTCAAGCGATTCTTCTGCCTCAGCCTCCCAGTAGCTGGGATTACAGGGTGAAGAG
 GGAACAGAAATCTTTGCCCCCTGACTTTGGAAATCTCGTTAACCTTCAAACCTGGCGATG
 TCAAGGGTTCCAAGTCCACCTCCGGCAGAAATGTCGAGTGGCCCGTAGCTGAGAGT
 TGGTGCTACACACAGATCAAGGTAGTGAATTCTCCTACATGTGGACCATCAATAACTTT
 AGCTTTTGCCGGGAGGAAATGGGTGAAGTCATTAAGTTCTACATTTTCATCAGGAGCA
 AATGATAAACTGAAATGGTGTTCGAGTAAACCCCAAAGGGTTAGATGAAGAAAGCAA
 GATTACCTGTCACTTTACCTGTTACTGGTCAGCTGTCAAAGAGTGAAGTTCGGGCAAAA
 TTCAAATCTCCATCCTGAATGCCAAGGGAGAAGAAACCAAAGCTATGGAGAGTCAACGG
 GCATATAGGGTTTGTGCAAGGCAAAGACTGGGGATTCAAGAAATTCATCCGTAGAGATTN
 TCTTTTTGGATGAGGCCAACGGGCTTCCCTGATGACAAGCTTACCCTCTCTGCGAGGG
 NGAAGTGTGTGCAAGATTCTGTACCATTCTGGGCAGAATACATGACTGNGNGNAAGG
 TTCCTGAGTGCCGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003563 unedited
 CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGGTTTTTAAAAAGGGTG
 GGGGAGAAGAAATAAAATCGAGAAAATGCCAAAAACATTTTCCCAATATCTAAAAACAG
 AGAACCATAGTTCTTGTCAAGACAATATGAATTCTGGATGAGTTATTTTTCCAGTTTTT
 AACACCAATAAAGATTTTGCAAAAGCCACCACATCAGAACAATCATCTCCAGATCAAA
 TAACCTTCCCCTTTGCCTTCACTTGTCAATTTTTCATAAAAGGATAAAAGGATGATTCT
 GTTCTTGCAACAATAAGTGCTAACAACAAGAGAGCTCTTCTGATGCTTGATGGTGGTA
 AGGAGTTTTCACAAATATCCAAGTTTTAGCACAGTTAGAAGGACTAAAATTTGTTTCTCT
 CAATATAAATACTACTGGAATCCACAACTGATTTTTGAGAAATCTGCAAAAATCTTTT
 CTCTTTCCCTTTCCCTTCTGTTAAAATCAATGCCTTTCTTTTTTTTTTTTTTCTTTTT
 GCTCCAGGCACCTGACGATTTGTTCTGCTCAGTCAGATGCAGACAGGTGTCTCCGAAGTA
 CCACCGTGGGATATCTCGGGCCAGCGCTAACTGAATCCCCACAGTATCAAACCTCAG
 CCAGGCCAAAGGGAACACAGTGACGCAGCAACAGGGTTTTTCATTTTCCCTCCCCC
 GTTTCCCCCAGTTATTTAGTGCTGTTTTAAAAGTCTGGGGCCACAATGCAGTCTTTCC
 CCTCACACAGAGTAAAAGCTCCACAGATGCGCTGTCTACCTGGTGGTCAGTGGCAGCACA
 GTGGCTGCTGCTTCTGGAANTAAACGGAGTCTTACANNCAGCAGATCTTANGGATGCTCA
 GGCGTTGCGTGGGGGTCCANAAAGGCACTGTGCTGAACCANNAAGCGGATGCCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_003563

Insert Size:

2430 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_003563.3 , NP_003554.1
RefSeq Size:	3053 bp
RefSeq ORF:	1125 bp
Locus ID:	8405
UniProt ID:	O43791
Cytogenetics:	17q21.33
Domains:	BTB, MATH
Gene Summary:	<p>This gene encodes a protein that may modulate the transcriptional repression activities of death-associated protein 6 (DAXX), which interacts with histone deacetylase, core histones, and other histone-associated proteins. In mouse, the encoded protein binds to the putative leucine zipper domain of macroH2A1.2, a variant H2A histone that is enriched on inactivated X chromosomes. The BTB/POZ domain of this protein has been shown in other proteins to mediate transcriptional repression and to interact with components of histone deacetylase co-repressor complexes. Alternative splicing of this gene results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Transcript variants 1-6 encode the same protein.</p>