

Product datasheet for **SC322167**

SPOP (NM_001007228) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOP (NM_001007228) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPOP
Synonyms:	BTBD32; NEDMACE; NEDMIDF; NSDVS1; NSDVS2; TEF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322167
 GGCAAGCGCAGGGGGACGGGGACCAGCAGCTGTCGCCGCCGCTCTCAGGGTGAAGAGGGA
 ACAGAAATCTTTGCCCTGACTTTGGAATCTCGTTAACCTTCAAAGTGGCGATGTCA
 AGGGTTCCAAGTCTCCACCTCCGGCAGAAATGTCGAGTGGCCCCGTAGCTGAGAGTTGG
 TGCTACACACAGATCAAGGTAGTGAAATTCCTACATGTGGACCATCAATAACTTTAGC
 TTTTGCCGGGAGGAAATGGTGAAGTCATTAAGTTCTACATTTTCATCAGGAGCAAAT
 GATAAACTGAAATGGTGTTCGAGTAAACCCCAAAGGTTAGATGAAGAAAGCAAAGAT
 TACCTGTCACTTTACCTGTTACTGGTCAGCTGTCCAAAGAGTGAAGTTCGGGCAAATTC
 AAATTCTCATCTGAATGCCAAGGGAGAAGAAACCAAAGCTATGGAGAGTCAACGGGCA
 TATAGGTTTGTGCAAGGCAAAGACTGGGGATTCAAGAAATTCATCCGTAGAGATTTTCTT
 TTGGATGAGGCCAACGGGCTTCCCTGATGACAAGCTTACCCTCTTCTGCGAGGTGAGT
 GTTGTGCAAGATTCTGTCAACATTTCTGGCCAGAATACCATGAACATGGTAAAGTTCTCT
 GAGTGCCGGCTGGCAGATGAGTTAGGAGGACTGTGGGAGAATCCCGGTTACAGACTGC
 TGCTTGTGTGTTGCCGGCAGGAATCCAGGCTCACAAAGGCTATCTTAGCAGCTCGTTCT
 CCGGTTTTTAGTGCCATGTTTGAACATGAAATGGAGGAGAGCAAAAAGAATCGAGTTGAA
 ATCAATGATGTGGAGCCTGAAGTTTTTAAGGAAATGATGTGCTTCATTTACACGGGGAAG
 GCTCCAAACCTCGACAAAATGGCTGATGATTTGCTGGCAGCTGCTGACAAGTATGCCCTG
 GAGCGCTTAAAGGTCATGTGTGAGGATGCCCTCTGCAGTAACCTGTCCGTGGAGAACGCT
 GCAGAAATTTCTATCCTGGCCGACCTCCACAGTGCAGATCAGTTGAAAACCTCAGGCAGTG
 GATTTTCATCAACTATCATGCTTCGGATGTCTTGGAGACCTCTGGGTGGAAGTCAATGGTG
 GTGTCACATCCCCACTTGGTGGCTGAGGCATACCGCTCTCTGGCTTCAGCACAGTGCCCT
 TTTCTGGGACCCACGCAAACGCCTGAAGCAATCCTAAGATCCTGCTTGTGTAAGACT
 CCGTTTTAATTTCCAGAAGCAGCAGCCACTGTTGCTGCCACTGACCACCAGGTAGACAGCG
 CAATCTGTGGAGCTTTTACTCTGTTGTGAGGGGAAGAGACTGCATTGTGGCCCCAGACTT
 TTA AACAGCACTAAATAACTTGGGGGAAACGGGGGAGGAAAATGAAATGAAAACCT
 GTTGCTGCGTCACTGTGTTCCCTTTGGCCTGGCTGAGTTTGATACTGTGGGGATTCAGTT
 TAGGCGCTGGCCGAGGATATCCAGCGGTGGTACTTCGGAGACACCTGTCTGCATCTGA
 CTGAGCAGAACAAATCGTCAGGTGCCTGGAGCAAAAAGGAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001007228
- 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_001007228.1](#), [NP_001007229.1](#)

RefSeq Size: 2931 bp

RefSeq ORF: 1125 bp

Locus ID: 8405

UniProt ID: [O43791](#)

Cytogenetics: 17q21.33

Gene Summary: 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]
Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Transcript variants 1-6 encode the same protein.