

## Product datasheet for SC301171

### SPOP (NM\_001007229) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPOP (NM_001007229) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPOP
Synonyms:	BTBD32; NEDMACE; NEDMIDF; NSDVS1; NSDVS2; TEF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301171 representing NM_001007229. Blue=Insert sequence Red=Cloning site Green=Tag(s)

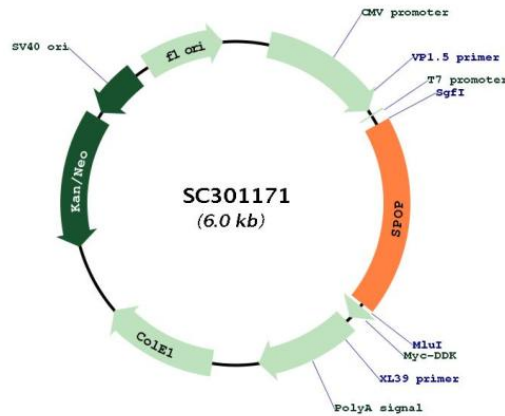
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTCAAGGGTTCCAAGTCCTCCACCTCCGGCAGAAATGTCGAGTGGCCCGTAGCTGAGAGTTGGTGC
TACACACAGATCAAGGTAGTAAATTTCTCTACATGTGGACCATCAATAACTTTAGCTTTTGCCGGGAG
GAAATGGGTGAAGTCATTAAGTTCTACATTTTCATCAGGAGCAAATGATAAAGTAAATGGTGTGTTG
CGAGTAAACCCAAAGGGTTAGATGAAGAAAGCAAAGATTACCTGTCACCTTACCTGTTACTGGTCAGC
TGTCCAAAGAGTGAAGTTCGGGCAAAATCAAATTCCTCATCCTGAATGCCAAGGGAGAAGAAACAAA
GCTATGGAGAGTCAACGGGCATATAGTTTGTGCAAGGCAAAGACTGGGGATTCAAGAAATTCATCCGT
AGAGATTTTCTTTGGATGAGGCCAACGGCTTCTCCCTGATGACAAGCTTACCTCTTCTGCGAGGTG
AGTGTGTGCAAGATTCTGTCAACATTTCTGGCCAGAATACCATGAACATGGTAAAGTTCTGAGTGC
CGGCTGGCAGATGAGTTAGGAGGACTGTGGGAGAATCCCGGTTACAGACTGCTGCTTGTGTGTTGCC
GGCCAGGAATCCAGGCTCACAAGGCTATCTTAGCAGCTGTTCTCCGGTTTTAGTGCCATGTTTGAA
CATGAAATGGAGGAGAGCAAAAAGAATCGAGTTGAAATCAATGATGTGGAGCCTGAAGTTTTAAGGAA
ATGATGTGCTTCATTTACACGGGAAGGCTCCAAACCTCGACAAAATGGCTGATGATTTGCTGGCAGCT
GCTGACAAGTATGCCCTGGAGCGCTTAAGGTCATGTGTGAGGATGCCCTCTGCAGTAACCTGTCGGTG
GAGAACGCTGCAGAAATTCATCCTGGCCGACCTCCACAGTCAGATCAGTTGAAAACCTCAGGCAGTG
GATTTTCATCAACTATCATGCTTCGGATGTCTTGAGACCTCTGGGTGGAAGTCAATGGTGGTGTCACAT
CCCCACTTGGTGGCTGAGGCATACCGCTCTCTGGCTTCAGCACAGTGCCCTTTTCTGGGACCCCCACGC
AAACGCCTGAAGCAATCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online >](#)

## Plasmid Map:



ACCN: NM\_001007229

Insert Size: 1125 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\\_001007229.1](#)

RefSeq Size: 2982 bp

RefSeq ORF: 1125 bp

Locus ID: 8405

UniProt ID: [O43791](#)

**Cytogenetics:** 17q21.33

**MW:** 42.1 kDa

**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 (6) differs in the 5' UTR compared to variant 1. Transcript variants 1-6 encode the same protein.