

Product datasheet for RC219356

SPOP (NM_003563) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOP (NM_003563) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPOP
Synonyms:	BTBD32; NEDMACE; NEDMIDF; NSDVS1; NSDVS2; TEF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219356 representing NM_003563 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAGGGTCCAAGTCTCCACCTCCGGCAGAAATGTCGAGTGGCCCCGTAGCTGAGAGTTGGTGCT
ACACACAGATCAAGGTAGTAAAATTCTCCTACATGTGGACCATCAATAACTTTAGCTTTTCCGGGAGGA
AATGGGTGAAGTCATTAAGTTCTACATTTTCATCAGGAGCAAATGATAAACTGAAATGGTGTTCGCA
GTAACCCCAAAGGGTTAGATGAAGAAAGCAAAGATTACCTGTCACCTTACCTGTTACTGGTCAGCTGTC
CAAAGAGTGAAGTTCGGGCAAAATTCAAATTCCTCATCCTGAATGCCAAGGGAGAAGAAACCAAAGCTAT
GGAGAGTCAACGGGCATATAGGTTTGTGCAAGGCAAGACTGGGGATTCAGAAATTCATCCGTAGAGAT
TTTCTTTTGGATGAGGCCAACGGCTTCTCCCTGATGACAAGCTTACCCTCTTCTGCGAGGTGAGTGTTG
TGCAAGATTCTGTCAACATTTCTGGCCAGAATACCATGAACATGGTAAAGGTTTCTGAGTGCCGGCTGGC
AGATGAGTTAGGAGGACTGTGGGAGAAATCCCGGTTCCACAGACTGCTGCTTGTGTGTTGCCGGCCAGGAA
TTCCAGGCTCACAAGGCTATCTTAGCAGCTCGTTCTCCGGTTTTAGTGCCATGTTTGAACATGAAATGG
AGGAGAGCAAAAAGAATCGAGTTGAAATCAATGATGTGGAGCCTGAAGTTTTAAGGAAATGATGTGCTT
CATTTACACGGGGAAGGCTCAAACCTCGACAAAATGGCTGATGATTTGCTGGCAGCTGCTGACAAGTAT
GCCCTGGAGCGCTTAAAGTTCATGTGTGAGGATGCCCTCTGCAGTAACCTGTCCGTGGAGAACGCTGCAG
AAATTCATCCTGGCCGACCTCCACAGTGCAGATCAGTTGAAAACCTCAGGCAGTGGATTTTCATCAACTA
TCATGTTCTGGATGTCTTGGAGACCTCTGGGTGGAAGTCAATGGTGGTGTACATCCCCACTTGGTGGCT
GAGGCATACCGCTCTCTGGCTTCAGCACAGTGCCTTTTCTGGGACCCACGCAAACGCTGAAGCAAT
CC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003563.3](#), [NP_003554.1](#)

RefSeq Size: 3053 bp

RefSeq ORF: 1125 bp

Locus ID: 8405

UniProt ID: [O43791](#)

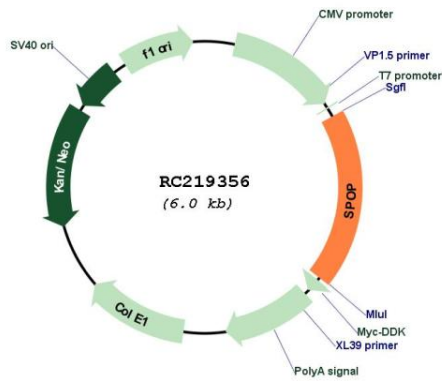
Cytogenetics: 17q21.33

Domains: BTB, MATH

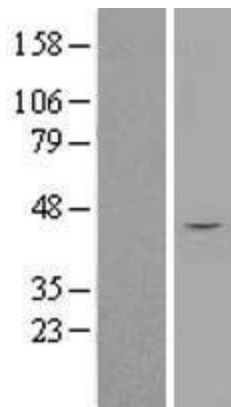
MW: 42 kDa

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]

Product images:



Circular map for RC219356



Western blot validation of overexpression lysate (Cat# [LY401186]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219356 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).