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Product datasheet for RC209894

SPOPL (NM_001001664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOPL (NM_001001664) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPOPL
Synonyms:	BTBD33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC209894 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCGGGAACCCACCCCACCTCTACCTGGAGATATGTCTACTGGTCCCATAGCAGAAAGCTGGTGTT
ACACACAGGTTAAAGTAGTAAAATTTTCCTATATGTGGACCATTAATAACTTCAGTTTTTGTCGAGAGGA
AATGGGTGAAGTGTTAAAAAGTTCAACATTTTCATCTGGCCCAAGTGACAAAATGAAATGGTGCCTGAGG
GTAAACCCAAAGGGATTAGATGATGAAAGTAAAGACTACTTGTCCTTATATTTGCTTTTAGTCAGCTGCC
CCAAAAGTGAAGTTCGAGCAAAATTCAAATTTTCCCTTCTGAATGCTAAAAGGGAAGAAACAAAAGCAAT
GGAAAGCCAAAGAGCATATCGATTTGTGCAAGGGAAGGACTGGGGTTTTAAAAAATTCATTAGAAGGGAC
TTTTTGCTTGATGAAGCTAATGGTCTTTTACCAGATGACAAGCTTACATTATTTTGTGAGGTGAGTGTGG
TCCAAGATTCAGTAAACATATCAGGACATACTAATACAAATACTTTGAAGGTGCCTGAGTGTCGTCTAGC
AGAAGATTTAGGTAATCTCTGGGAAAACACAAGATTTACAGACTGCAGTTTTTTCGTGAGAGGACAAGAA
TTTAAAGCTCATAAATCTGTGCTTGCAGCTCGATCTCCAGTTTTTAACGCCATGTTTGAACATGAAATGG
AAGAAAGCAAAAAGAATCGAGTGGAAATAAATGATTTAGACCCTGAAGTTTTTAAAGAAATGATGAGATT
CATTTACACAGGGAGAGCACCAAACCTTGACAAAATGGCTGACAACTTGTTGGCAGCTGCAGACAAATAT
GCACTGGAACGGCTGAAGGTCATGTGCGAAGAAGCTTTGTGTAGTAACCTCTCAGTAGAGAATGTTGCAG
ATACCCTTGTCCTTGCAGATTTGCACAGTGCAGAACAGTTGAAAGCACAAGCCATAGACTTTATTAATAG
GTGCAGTGTACTTCGACAACTTGGGTGTAAAGATGGGAAAAACTGGAACAGCAACCAAGCAACCGACATA
ATGGAAACATCAGGGTGGAAGTCCATGATTCAGTCTCACCCTCATTTAGTAGCAGAAGCCTTTCGAGCAC
TAGCATCTGCACAGTGTCCACAGTTTGGCATTCCACGCAAACGGCTAAAACAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC209894 protein sequence
Red=Cloning site Green=Tags(s)

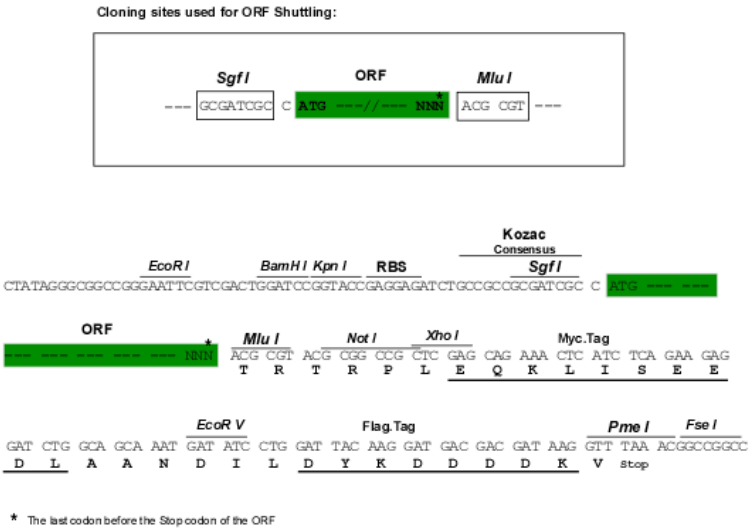
MSREPTPPLPGDMSTGPIAESWCYTQVKVVKFSYMWTINNFSFCREEMGEVLKSSTFSSGPSDKMKWCLR
VNPKGLDDESKDYLSLYLLLVSCPKSEVRAKFKFSLLNAKREETKAMESQRAYRFVQGKDWGFKKFIRRD
FLLDEANGLLPDDKLTLFCEVSVVQDSVNISGHTNTNTLKVPECRLAEDLGNLWENTRFTDCSFFVRGQE
FKAHKSVLAARSPVFNAMFEHEMEESKKNRVEINDLDPEVFKEMMRFIYTGRAPNLDKMADNLLAAADKY
ALERLKVMCEEALCSNLSVENVADTLVLADLHSAEQLKAQAIDFINRCSVLRQLGCKDGKNWNSNQATDI
METSGWKSMIQSHPHLVAEAFRALASAQCPQFGIPRKRLKQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6727_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001001664

ORF Size: 1176 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001001664.3

RefSeq Size: 5741 bp

RefSeq ORF: 1179 bp

Locus ID: 339745

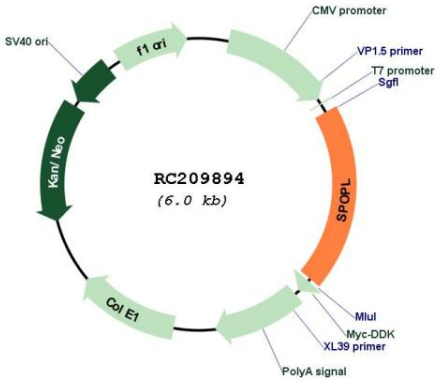
UniProt ID: Q6IQ16

Cytogenetics: 2q22.1

MW: 44.6 kDa

Gene Summary: Component of a cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins, but with relatively low efficiency. Cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complexes containing homodimeric SPOPL or the heterodimer formed by SPOP and SPOPL are less efficient than ubiquitin ligase complexes containing only SPOP. May function to down-regulate the activity of cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complexes that contain SPOP.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC209894