

Product datasheet for SC300250

SPOPL (NM_001001664) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOPL (NM_001001664) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPOPL
Synonyms:	BTBD33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300250 representing NM_001001664. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGTCTCGGGAACCCACCCACCTCTACCTGGAGATATGTCTACTGGTCCCATAGCAGAAAGCTGGTGT
 TACACACAGGTTAAAGTAGTAAATTTTCTATATGTGGACCATTAACTTCAGTTTTGTGCGAGAG
 GAAATGGGTGAAGTGTAAAAAGTTCAACATTTTCATCTGGCCCAAGTGACAAAATGAAATGGTGCTG
 AGGGTAAACCAAAGGATTAGATGATGAAAGTAAAGACTACTTGTCTTATATTTGCTTTTAGTCAGC
 TGCCCCAAAAGTGAAGTTCGAGCAAAATCAAATTTTCCCTTCTGAATGCTAAAAGGGAAGAAACAAA
 GCAATGGAAGCCAAAGAGCATATCGATTTGTGCAAGGGAAGGACTGGGGTTTTAAAAATTCATTAGA
 AGGGACTTTTTGCTTGATGAAGCTAATGGTCTTTTACCAGATGACAAGCTTACATTATTTGTGAGGTG
 AGTGTGGTCCAAGATTCACTAAACATATCAGGACATACTAATACAAATACCTTTGAAGGTGCCTGAGTGT
 CGTCTAGCAGAAGATTTAGGTAATCTCTGGGAAAAACAAAGATTTACAGACTGCAGTTTTTTCGTGAGA
 GGACAAGAATTTAAAGCTCATAAATCTGTGCTTGACGCTCGATCTCCAGTTTTTAACGCCATGTTTGA
 CATGAAATGGAAGAAAGCAAAAGAATCGAGTGGAAATAAATGATTTAGACCTGAAGTTTTTAAAGAA
 ATGATGAGATTCATTTACACAGGGAGAGCACCAACCTTGACAAAATGGCTGACAACTTGTGGCAGCT
 GCAGACAAATATGCACTGGAACGGCTGAAGTTCATGTGCGAAGAAGCTTTGTGTAGTAACCTCTCAGTA
 GAGAATGTTGCAGATACCCTTGTCTTGCAGATTTGCACAGTGCAGAACAGTTGAAAGCACAAGCCATA
 GACTTTTATAATAGGTGCAGTGTACTTCGACAACCTGGGTGTAAGATGGGAAAACTGGAACAGCAAC
 CAAGCAACCGACATAATGGAACATCAGGTGGAAGTCCATGATTCAGTCTCACCTCATTAGTAGCA
 GAAGCCTTTCGAGCACTAGCATCTGCACAGTGTCCACAGTTTGGCATTCCACGAAACGGCTAAACAG
 TCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_001001664
Insert Size:	1179 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:	<u>NM_001001664.2</u>
RefSeq Size:	5741 bp
RefSeq ORF:	1179 bp
Locus ID:	339745
UniProt ID:	<u>Q6IQ16</u>
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]