OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC335463

BOULE (BOLL) (NM_001284361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOULE (BOLL) (NM_001284361) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOLL
Synonyms:	BOULE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335463 representing NM_001284361. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCAAACATCAAACCAGATGCAAACAGATTCATTATCTCCATCCCCTAATCCTGTGTCACCTGTGCCT TTGAATAACCCAACAAGTGCCCCAAGATATGGAACAGTGATCCCTAATCGCATCTTTGTAGGAGGAATT GATTTTAAGACAAACGAAAGTGATTTAAGAAAATTTTTTTCCCAGTATGGGTCTGTGAAAGAAGTGAAG ATTGTAAATGACAGAGCTGGAGTATCCAAAGGGTATGGTTTCGTCACTTTTGAAACACAAGAAGATGCA CAAAAAATTTTACAAGAGGCTGAAAAACTTAATTATAAGGATAAGAAGCTGAACATTGGTCCAGCAATA AGAAAACAACAAGTAGGGATCCCTCGTTCTAGTATAATGCCAGCAGCTGGAACAATGTATCTAACAACT TCAACTGGATATCCTTATACTTACCATAATGGTGTTGCTTATTTTCATACTCCAGAGGTAACTTCGGTC CCACCGCCTTGGCCTTCACGTTCTGTATGTAGCTCCCCTGTGATGGTAGCTCAGCCCATTTATCAGCAA CCTGCATATCACTACCAGGGAATTAAACAATGTCATACAAGAAGATGGATGGACTCTTTGCTTCCTTTT ACCAAATGTGATGAGGCCACCACACAGTATTTACCAGGACAGTGGCAGTGGAGTGTTCCTCAGCCTTCT GCCTCTTCTGCTCCATTCTTATACCTGCAACCTTCTGAGGTTATTTATCAACCAGTGGAAATTGCACAG GATGGTGGATGTGTTCCTCCTCCACTGTCTCTGATGGAAACTTCAGTTCCAGAGCCTTATTCTGATCAT GGAGTTCAAGCAACATATCACCAGGTTTATGCTCCAAGTGCCATCACTATGCCTGCGCCTGTGATGCAG CCTGAGCCAATTAAATGTGGAGCATTCATTATTAAGACAATTGGGCAGCTCTATTCCAGCTCAACTGAT TTCTTGTCCAATGATCCTTGCGTGGCCGAGATCCAGCTTCAACGAACCAGCTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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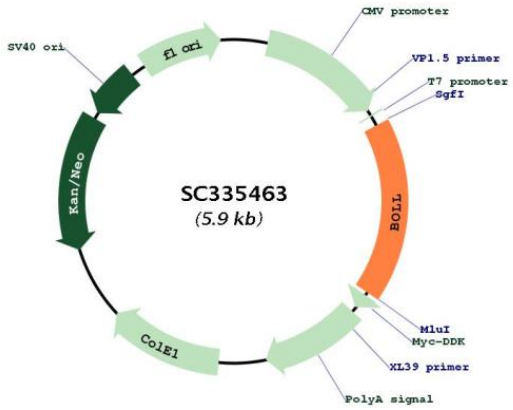
Plasmid Map:



ACCN:	NM_001284361
Insert Size:	1020 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).
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_001284361.1
RefSeq Size:	2987 bp
RefSeq ORF:	1020 bp
Locus ID:	66037
UniProt ID:	Q8N9W6
Cytogenetics:	2q33.1

MW:	37.5 kDa
Gene Summary:	This gene belongs to the DAZ gene family required for germ cell development. It encodes an RNA-binding protein which is more similar to Drosophila Boule than to human proteins encoded by genes DAZ (deleted in azoospermia) or DAZL (deleted in azoospermia-like). Loss of this gene function results in the absence of sperm in semen (azoospermia). Histological studies demonstrated that the primary defect is at the meiotic G2/M transition. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (4) differs in the UTRs and has multiple coding region differences one of which causes a frameshift, compared to variant 1. These differences also cause translation initiation at an alternate AUG. The enocoded isoform (4) is longer and has distinct N- and C-termini compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.