

## Product datasheet for **SC334178**

### **BOULE (BOLL) (NM\_001284358) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BOULE (BOLL) (NM_001284358) 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:	>NCBI ORF sequence for NM_001284358, the custom clone sequence may differ by one or more nucleotides

```
ATGACAGAGCTGGAGTATCCAAAGGGTTCTAGTATAATGCCAGCAGCTGGAACAATGTATCTAACAACTT  
CAACTGGATATCCTTATACTTACCATAATGGTGTGCTTATTTTCATACTCCAGAGGTAACCTTCGGTCCC  
ACCGCCTTGGCCTTCACGTTCTGTATGTAGCTCCCCTGTGATGGTAGCTCAGCCATTTATCAGCAACCT  
GCATATCACTACCAGGCCACCACACAGTATTTACCAGGACAGTGGCAGTGGAGTGTTCCTCAGCCTTCTG  
CCTCTTCTGCTCCATTCTTATACCTGCAACCTTCTGAGGTTATTTATCAACCAGTGGAAATTGCACAGGA  
TGGTGGATGTGTTCTCCTCCACTGTCTCTGATGGAACTTCAGTCCAGAGCCTTATTCTGATCATGGA  
GTTCAAGCAACATATCACCAGGTTTATGCTCCAAGTGCCATCACTATGCCTGCGCCTGTGATGCAGCCTG  
AGCCAATTAACAGTGTGGAGCATTATTAA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001284358
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).



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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.

**RefSeq:** [NM\\_001284358.1](#), [NP\\_001271287.1](#)

**RefSeq Size:** 2742 bp

**RefSeq ORF:** 525 bp

**Locus ID:** 66037

**UniProt ID:** [Q8N9W6](#)

**Cytogenetics:** 2q33.1

**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 (3) differs in the 5' UTR and lacks two consecutive exons in the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct N-terminus 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.