

Product datasheet for **SC123074**

BOULE (BOLL) (NM_033030) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOULE (BOLL) (NM_033030) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOULE
Synonyms:	BOULE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for NM_033030 edited
 GCGGCGGGGTCGCTGCCGTTGAGGCTTCCCGCCACTGCTGCTGGCGGATTTGTGGGGCAA
 AATTTCTCGTGGCTAGCCTTCTTTCCCTCCCGCACTTTGGTGGGGAGGGGGTGGATCC
 TCGTTTCGGTGCCCAAGTTCACGATGACCCGAGAGAACTCGAGGAAGTTGTCCGCGCGGC
 CATTTCCCCAGTGCCGCAACTTGCTGGCCTTGGAGGGGGAGGAGCGCCGAGGCAGTGAC
 TGCGACGCAAACATCAAACCAGATGCAAACAGATTCATTATCTCCATCCCCTAATCCTGT
 GTCACCTGTGCCTTTGAATAACCAACAAGTGCCCAAGATATGGAACAGTGATCCCTAA
 TCGCATCTTTGTAGGAGGAATTGATTTTAAGACAACGAAAGTGATTTAAGAAAAATTTT
 TTCCAGTATGGGTCTGTGAAAGAAGTGAAGATTGTAATGACAGAGCTGGAGTATCCAA
 AGGGTATGGTTTCGTCACCTTTTGAACACAAGAAGATGCACAAAAATTTTACAAGAGGC
 TGAAAACTTAATTATAAGGATAAGAAGCTGAACATTGGTCCAGCAATAAGAAAAACA
 AGTAGGGATCCCTCGTTCTAGTATAATGCCAGCAGCTGGAACAATGTATCTAACAACTTC
 AACTGGATATCCTTATACTTACCATAATGGTGTGCTTATTTTCATACTCCAGAGGTAAC
 TTCGGTCCACCCTTGGCCTTACGTTCTGTATGTAGCTCCCCTGTGATGGTAGCTCA
 GCCATTTATCAGCAACCTGCATATCACTACCAGGCCACCACACAGTATTTACCAGGACA
 GTGGCAGTGGAGTGTTCCTCAGCCTTCTGCCTTCTGTCTCCATTCTTATACCTGCAACC
 TTCTGAGGTTATTTATCAACCAGTGGAAATTGCACAGGATGGTGGATGTGTTCTCCTCC
 ACTGTCTCTGATGGAACTTCAGTTCAGAGCCTTATTCTGATCATGGAGTTCAAGCAAC
 ATATCACCAGGTTATGCTCCAAGTGCCATCACTATGCCTGCGCCTGTGATGCAGCCTGA
 GCCAATTAACAGTGTGGAGCATTCAATTAAGACAATTGGGCAGCTCTATCCAGCT
 CAACTGATTTCTGTCCAATGATCCTTGGCTGGCCGAGATCCAGCTTCAACGAACCAGCT
 AGAAGCTGCCCGTTGTGAACTTAGTGTAGTTAATACCTCACCATACTCAGTTATTCCA
 CTATAAGCTGTCAAATTTGATGAAATTTGCTTTTTTCAGCTGTTCTACAAAATTTTAG
 GTAGATGTGGCATGTTGGTTTTTATGTGCTAACCTAAGTAAAGTAAAGTAAAGTAAAGTAA
 ATGTTTTATCCATTCCATAAATAAACCACATTGGGAATAGTGAGGTGCTTTTTATTTT
 CTCTGCTTTGTGTTATTTTTCTTATCAAACAATTAGATGTTATGTTTCATATTATTTGA
 TATTTATTTTCATATTTAGGATAAGAATCATTTTTAATTATAACTTTTAATACTTTTCA
 TATATTTTACAACAGTATACTATTTAATTAATGACAATCTATTTTGTCTTGTGCTGTT
 TTGTCATTTAATATGCTTTTGTCTAATTTTTAATTCATTTATTACTGTTACTCCTATTT
 AATTTTGGCTCTGCCATGGTTTTTCAAGATCTGAATAGTATTTATACTTCTTTTTTATAAC
 ATTTTCCAAATATTAGAAATACCATCAACATGATCAGTATCTTGCCTTTTCATGTAATT
 TGACTATATTAATTTTTTCTCCAGTGTTGAGACAATATTGAAATCTTCTATAACATA
 ATTTATTTGGTATCAAATTTTATAAAATATGGATCCACCTTTGGAATTTTGATAAAGGG
 TTCATCTCTGACATGATCCCATAACTGACTGAAATCCACCAATTAAGTCTTTTGA
 ATGCTTTAATCCTTAAACCTTTTCTTCTGATATGCAACCAATATATTCAATTATATATGT
 GATTAATTTTTAAAAGGACAATGTTTTTCAAAAATGCAAACTATTTTTTACACCAAAG
 GAAAAATTTAGATTCTGATTCTAAATCCGATTTTTACTATAAAATGGAAAAATAGATGGG
 AGGGGTGTCATTCATTGTTCAAAAGGTACAGAACAAATCATAGGGGTTTTTAATCTCTAA
 AATTTCTACAGTAGTACAGGAAATATTCCTCTTTACATTATTTGCAGTCTTTTCACTGA
 CCTCCTAATTTTAGGTGGAGGGGAGGGGAGCCATAAAAGTTGGTATTACCCTAATAA
 ATCTATCTCTTCTCCCTGTTTCAACCCACATGATTCCATGCTCAGCAGCAGCAGC
 AGAAATAGTAGGATATAGATCACAAAGGTTTTTCTGGTGAAGTCAAATAGGGTGTTCCT
 TTGAAACTGTAATGAATATGTTTCCAGTCAAATGGCTTCATGAGAACAGTAGAACCTTA
 TGAATGTATACTAGCATAACAAGGATCTCAAATACATTAATTATTCTCAGTTTTAGGAATG
 TAAATAGATTAAGTCCACAATGAAATTTTCAAGATTTTTGTTCTGTAAGTAAAAAATTA
 CTAACCACTGATGTTCAAGATTTTCTTTAATAGCACTATCCTTGAGAACCAAAAAGTTT
 ATGTTTTGATTTTCAAATGTTAAACAAGATGCTAAACAAATCCTGGACTGTTAATAAAAA
 TTAATTATGTATTATTGGATAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033030 unedited GTCCAAATATTTGTAATACGACTCACTATAGGGCGGCCGCGATTCCCGGGATAGCGGCGG GGTGCGTCCCGTTGAGGCTTCCCGCCACTGCTGCTGGCGGATTTGTGGGGCAAAATTTCT CGCTGGCTAGCCTTCTTTTCCCTCCCGCACTTTGGTGGGGAGGGGGTGGATCCTCGTTTC GGTGCCAAAGTTCACGATGACCCGAGAGAACTCGAGGAAGTTGTCGCCGCGGCCATTTCC CCCAGTGCCGCAACTTGCTGGCCTTGGAGGGGGAGGAGCGCCGAGGCAGTGACTGCGGAG CAAACATCAAACCAGATGCAAACAGATTCAATTATCTCCATCCCCTAATCCTGTGCACCT GTGCCTTTGAATAACCCAACAAGTGCCCAAGATATGGAACAGTGATCCCTAATCGCATC TTTGTAGGAGGAATTGATTTTAAGACAAACGAAAGTGATTTAAGAAAATTTTTTCCAG TATGGGCTGTGAAAGAAGTGAAGATTGTAATGACAGAGCTGGAGTATCCAAAGGGTAT GGTTCGTCACTTTTGAAACACAAGAAGATGCACAAAANATTTTACAAGAGGCTGANAAA CTTAATTATAAGGATAAGAAGCTGAACATTGGTCCAGNCATAAGAAAAACAACAGTAGGG ATCCCTCGTTCTAGTATAATGCCAGCAGCTGGGACAATGTATCTAACAACTTCAACTGGA TATCCTTATACCTACCATAATGGTGGTGTATTTTCACTCCAAAGGTAAGTTCGGTCC CACCGCCTGGCCTTACGTTCTGTATGTAGCTCCCTGTGATGGTAGCTCAGCCCATTT ATCAACAACCTGCATATAACTACCAGCCCCCACAATTTTACAAGGACAGGGGCAATG GGATGTTCCCTAACCT
Restriction Sites:	Please inquire
ACCN:	NM_033030
Insert Size:	2819 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:	<ol style="list-style-type: none"> 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_033030.3</u> , <u>NP_149019.1</u>
RefSeq Size:	2867 bp
RefSeq ORF:	852 bp
Locus ID:	66037
UniProt ID:	<u>Q8N9W6</u>
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 (2) has an alternate 5' exon and uses a downstream in-frame start codon, as compared to variant 1. The encoded isoform 2 has a shorter N-terminus, as compared to isoform 1.