

Product datasheet for **RC237569**

BOULE (BOLL) (NM_001284361) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BOULE (BOLL) (NM_001284361) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BOLL
Synonyms: BOULE
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237569 representing NM_001284361
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAAACATCAAACCAGATGCAAACAGATTCATTATCTCCATCCCCTAATCCTGTGTACCTGTGCCTT
TGAATAACCCAACAAGTGCCCAAGATATGGAACAGTGATCCCTAATCGCATCTTTGTAGGAGGAATTGA
TTTTAAGACAAACGAAAGTGATTTAAGAAAATTTTTTCCAGTATGGGTCTGTGAAAGAAGTGAAGATT
GTAATGACAGAGCTGGAGTATCCAAAGGTATGGTTTCGTCACCTTTGAAACACAAGAAGATGCACAAA
AAATTTTACAAGAGGCTGAAAACTTAATTATAAGGATAAGAAGCTGAACATTGGTCCAGCAATAAGAAA
ACAACAAGTAGGGATCCCTCGTTCTAGTATAATGCCAGCAGCTGGAACAATGTATCTAACAACTTCAACT
GGATATCCTTATACTTACCATAATGGTGTGTCTATTTTCATACTCCAGAGGTAACCTCGGTCCCACCGC
CTTGGCCTTCACGTTCTGTATGTAGTCCCCTGTGATGGTAGCTCAGCCATTTATCAGCAACCTGCATA
TCACTACCAGGAATTAACAATGTCATACAAGAAGATGGATGGACTCTTTGCTTCCCTTTACCAAATGT
GATGAGGCCACCACAGTATTTACCAGGACAGTGGCAGTGGAGTGTTCCTCAGCCTTCTGCCTCTCTG
CTCCATTCTTATACCTGCAACCTTCTGAGGTTATTTATCAACCAGTGGAAATTGCACAGGATGGTGGATG
TGTTCTCTCCACTGTCTGTGATGAAACTTCAGTTCAGAGCCTTATTCTGATCATGGAGTTCAAGCA
ACATATACCAGGTTTATGCTCCAAGTGCCATCACTATGCCTGCGCCTGTGATGCAGCCTGAGCCAATTA
AATGTGGAGCATTATTATTAAGACAATTGGGAGCTCTATTCCAGCTCAACTGATTTCTTGCCAATGA
TCCTTGCCTGGCCGAGATCCAGCTTCAACGAACCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237569 representing NM_001284361
 Red=Cloning site Green=Tags(s)

MQTSNQMQTDLSPPSPNPVSPVPLNNPTSAPRYGTVIPNRI FVGGIDFKTNESDLRKFFSQQYGSVKEVKI
 VNDRAGVSKGYGFVTFETQEDAQKILQEAELNYKDKLNI GPAIRKQQVGI PRSSIMPAAGTMYLTTST
 GYPYTYHNGVAYFHTPEVTSVPPPWP SRSVCSPPVMVAQPI YQQPAYHYQGIKQCHTRRWMDSLLPFTKC
 DEATTQYLPGWQWSVPQPSASSAPFLYLQPSEVIYQPVEIAQDGGCVPPPLSLMETSVPPEPYS DHGVQA
 TYHQVYAPSAITMPAPVMQPEPIKCGAFIIKTI GQLYSSSTDFLSNDPCVAEIQLRTS

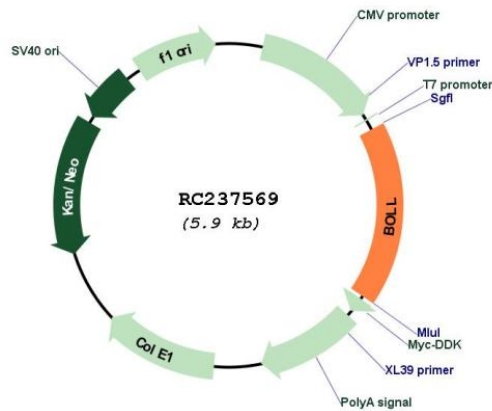
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284361

ORF Size: 1017 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:	<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:	NM_001284361.2
RefSeq Size:	2987 bp
RefSeq ORF:	1020 bp
Locus ID:	66037
UniProt ID:	Q8N9W6
Cytogenetics:	2q33.1
MW:	38 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]