

Product datasheet for **RG237569**

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:	TurboGFP
Symbol:	BOULE
Synonyms:	BOULE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237569 representing NM_001284361. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCAAACATCAAACCAGATGCAAACAGATTCATTATCTCCATCCCTAATCCTGTGTCACCTGTGCCT
TTGAATAACCCAACAAGTGCCCCAAGATATGGAACAGTGATCCCTAATCGCATCTTTGTAGGAGGAATT
GATTTTAAAGACAAACGAAAGTGATTTAAGAAAATTTTTTCCAGTATGGGTCTGTGAAAGAAGTGAAG
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CAAAAAATTTTACAAGAGGCTGAAAACTTAATTATAAGGATAAGAAGCTGAACATTGGTCCAGCAATA
AGAAAACAACAAGTAGGGATCCCTCGTTCTAGTATAATGCCAGCAGCTGGAACAATGTATCTAACAAC
TCAACTGGATATCCTTATACTTACCATAATGGTGTGCTTATTTTCATACTCCAGAGGTAACCTCGGTC
CCACCGCCTTGGCCTTACGTTCTGTATGTAGCTCCCCTGTGATGGTAGCTCAGCCATTTATCAGCAA
CCTGCATACCTACCAGGGAATTAACAATGTACATAAGAAGATGGATGGACTCTTTGCTTCTTTTT
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GCCTCTTCTGCTCATTCTTATACCTGCAACCTTCTGAGGTTATTTATCAACCAGTGAAATTCACAG
GATGGTGGATGTGTTCTCCTCCACTGTCTCTGATGGAACCTTCAGTTCAGAGCCTTATCTGATCAT
GGAGTTCAAGCAACATATCACCAGGTTTATGCTCCAAGTGCCATCACTATGCCTGCGCCTGTGATGCAG
CCTGAGCCAATTAATGTGGAGCATTATTATTAAGACAATGGGCAGCTCTATTCAGCTCAACTGAT
TTCTTGCCAATGATCCTTGCCTGGCCGAGATCCAGCTTCAACGAACCAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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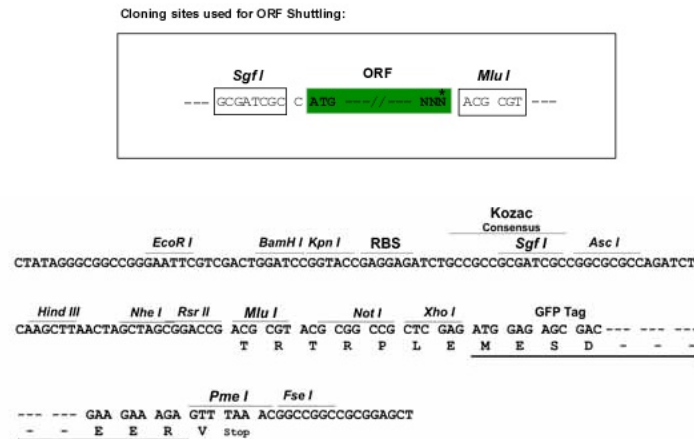
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237569
 Blue=ORF Red=Cloning site Green=Tag(s)

MQTSNQMQTDLSLSPSPNPVSPVPLNNPTSAPRYGTVIPNRI FVGGIDFKTNESDLRKFFSQYGSVKEVK
 IVNDRAGVSKGYFVTFETQEDAQKILQEAEKLNKDKKLNIGPAIRKQQVGI PRSSIMPAAGTMYLTT
 STGYPTYHNGVAYFHTPEVTSVPPPWPSSVCSPPMVAQPIYQQPAYHYQGIKQCHTRRWMSLLPF
 TKCDEATTQYLPQGWQSVQPSSASAPFLYLQPVSEVIYQVPEIAQDGGCVPPPLSLMETSVPPEYSDH
 GVQATYHQVYAPSAITMPAPVMQPEPIKCGAFIIKTIGQLYSSSTDFLSNDPCVAEIQLRQTS
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

RefSeq: [NM_001284361.2](#)

RefSeq Size: 2987 bp

RefSeq ORF: 1020 bp

Locus ID: 66037

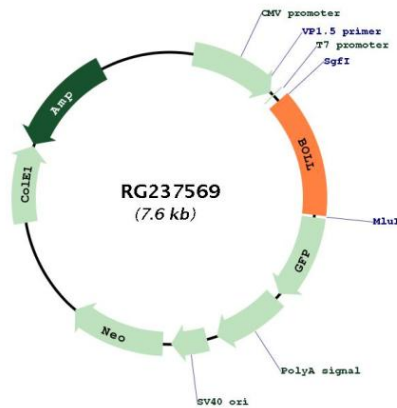
UniProt ID: [Q8N9W6](#)

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]

Product images:



Circular map for RG237569