

Product datasheet for **RG207436**

BOULE (BOLL) (NM_033030) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BOULE (BOLL) (NM_033030) 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: >RG207436 representing NM_033030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAACAGATTCATTATCTCCATCCCCTAATCCTGTGTACCTGTGCCTTTGAATAACCCAACAAGT
 CCCAAGATATGGAACAGTGATCCCTAATCGCATCTTTGTAGGAGGAATTGATTTAAGACAAACGAAAG
 TGATTTAAGAAAATTTTTCCAGTATGGGTCTGTGAAAGAAGTGAAGATTGAAATGACAGAGCTGGA
 GTATCCAAGGGTATGGTTTCGTCACCTTTGAAACACAAGAAGATGCACAAAAAATTTACAAGAGGCTG
 AAAAATTAATTATAAGGATAAGAAGCTGAACATTGGTCCAGCAATAAGAAAACAACAAGTAGGGATCCC
 TCGTTCTAGTATAATGCCAGCAGCTGGAACAATGTATCTAACAACTTCAACTGGATATCCTTATACTTAC
 CATAATGGTGTGCTTATTTTCATACTCCAGAGGTAACCTCGGTCCCACCGCCTTGGCCTTCACGTTCTG
 TATGTAGCTCCCCTGTGATGGTAGCTCAGCCCATTATCAGCAACCTGCATATCACTACCAGGCCACCAC
 ACAGTATTTACCAGGACAGTGGCAGTGGAGTGTTCCTCAGCCTTCTGCCTCTTCTGCTCCATTCTTATAC
 CTGCAACCTTCTGAGGTTATTTATCAACCAGTGAAATTCACAGGATGGTGGATGTGTTCTCTCCAC
 TGTCTCTGATGGAACCTCAGTTCAGAGCCTTATTCTGATCATGGAGTCAAGCAACATATCACCAGGT
 TTATGCTCCAAGTGCCATCACTATGCTGCGCCTGTGATGCAGCCTGAGCCAATTAACAGTGTGGAGC
 ATTCATTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207436 representing NM_033030
 Red=Cloning site Green=Tags(s)

MQTDSLSPSPNPVSPVPLNNTSAPRYGTVIPNRIFVGGIDFKTNESDLRKFSSQYGSVKEVKIVNDRAG
 VSKGYGFVTFETQEDAQKILQEAELNFKDKKLNIGPAIRKQQVGI PRSSIMPAAGTMYLTTSTGYPTY
 HNGVAYFHTPEVTSVPPPWPSPVSSPVMVAQPIYQQPAYHYQATTQYLPQWQWSVPQPSASSAPFLY
 LQPSEVIYQPVEIAQDGGCVPPPLSLMETSVPPEYSDHGQVATYHQVYAPSAITMPAPVMQPEPIKTVWS
 IHY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033030

ORF Size: 849 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:

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_033030.6](#)

RefSeq Size: 2867 bp

RefSeq ORF: 852 bp

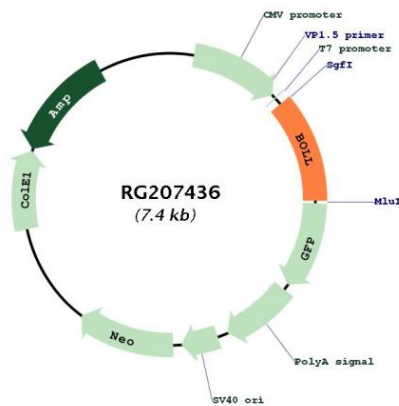
Locus ID: 66037

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]

Product images:



Circular map for RG207436