

Product datasheet for **MG226112**

Boll (NM_029267) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Boll (NM_029267) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Boll
Synonyms: 4930554P13Rik; 4930597B14Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226112 representing NM_029267
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGACCGAGTCCCGGGCAGTCAACAAATCAGACACAAACAGATTCATTATCTCCATCCCCTAATC
 CTGTGTCACCTGTGCCTTTGAATAACCCAACAAGTGGCCAAGATACGGAAGTGTGATCCCTAACCGCAT
 CTTTGTAGGAGGAATTGACTTTAAGACAAACGAAAATGATTTAAGAAAATTTTCTCCAATATGGGTCT
 GTAAAAGAAGTGAAGATTGTTAATGACAGAGCTGGAGTGTCAAAGGGTATGGTTTCATCACTTTTGAAA
 CTCAAGAAGATGCACAAAAATCTTACAAGAGGCTGAAAACTCAATTATAAGGATAAGAACTCAACAT
 TGGTCCAGCAATAAGAAAACAACAAGTAGGGATTCCTCGTTCTAGTCTCATGCCAGCGGTGGAACAATG
 TATCTGACCACCTCAACTGGGTACCCCTTACTTACCATAATGGCGTTGCTTATTTTCATACTCCAGAAG
 TAACCTTGTCCCACCATCTTGGCCTTCACGTTCCATATCTAGTTCTCCTGTGATGGTGGCTCAGCCAGT
 TTATCAACAGCCTGCATATCACTATCAGGCCCCAGCACAGTGTACCAGGGCAGTGGCAGTGGGGTGT
 CCCAGTCCCCTGCTTCTTCTGCTCCATTCTATATCTGCAACCTTCTGAGGTTATTTATCAGCCAGTAG
 AAATTGCGCAAGACGGTGGCTGTGTTCCCTCCTCACTGTCTCTGATGGAACTTCTGTTCCAGAGCCTTA
 TTCTGACCATGGAGTTCAAGCAGCATATACCAGGTTTATGCTTCAAGTGCCATTGCTATGCCTGCACCT
 ATGATGCAGCCTGAGCCAATTAAGTAAGGAGTTTATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226112 representing NM_029267
 Red=Cloning site Green=Tags(s)

METESRAQSTNQTDLSLSPSPNPVSPVPLNNPTSGPRYGTVIPNRI FVGGIDFKTNENDLRKFFSQYGS
 VKEVKIVNDRAGVSKGYGFITFETQEDAQKILQEAELNYKDKKLNIGPAIRKQQVGI PRSSLMPAAGTM
 YLTTSTGYPTYHNGVAYFHTEVTSVPPSWPSRSISSSPVMVAQPVYQQPAYHYQAPAQCLPGQWQWGV
 PQSPASSAPFLYLQPSSEVIYQPVEIAQDGGCVPPPLSLMETS VPEPYSDHGVQAAYHQVYASSAIAMPAP
 MMQPEPIKVRSLF

TRTRPLE - GFP Tag - V

Restriction Sites:

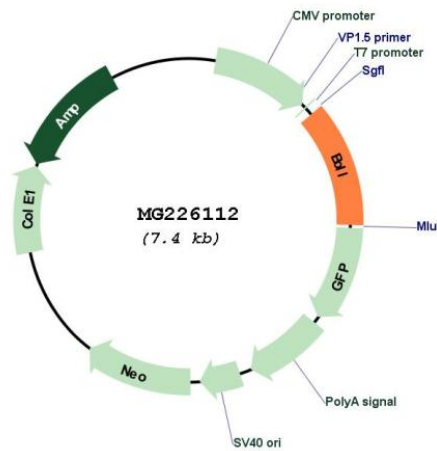
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_029267

ORF Size: 879 bp

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|-------------------------------|---|
| 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_029267.5 |
| RefSeq Size: | 1032 bp |
| RefSeq ORF: | 882 bp |
| Locus ID: | 75388 |
| UniProt ID: | Q924M5 |
| Cytogenetics: | 1 C1.2 |
| Gene Summary: | Probable RNA-binding protein, which may be required during spermatogenesis. May act by binding to the 3' UTR of mRNAs and regulating their translation (By similarity). [UniProtKB/Swiss-Prot Function] |