

Product datasheet for SC307621

BOULE (BOLL) (NM_197970) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOULE (BOLL) (NM_197970) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOLL
Synonyms:	BOULE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307621 representing NM_197970. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAACCGAGTCCGGGCCGAAACATCAAACAGATGCAAACAGATTCATTATCTCCATCCCCTAAT
CCTGTGTACCTGTGCCTTTGAATAACCCAACAAGTGCCCAAGATATGGAACAGTGATCCCTAATCGC
ATCTTTGTAGGAGGAATTGATTTAAGACAAACGAAAGTGATTTAAGAAAATTTTTTCCAGTATGGG
TCTGTGAAAGAAGTGAAGATTGAAATGACAGAGCTGGAGTATCCAAAGGGTATGGTTTCGTCACTTTT
GAAACACAAGAAGATGCACAAAAATTTTACAAGAGGCTGAAAACTTAATTATAAGGATAAGAAGCTG
AACATTGGTCCAGCAATAAGAAAACAACAAGTAGGGATCCCTCGTCTAGTATAATGCCAGCAGCTGGA
ACAATGTATCTAACAACCTCAACTGGATATCCTTATACTTACCATAATGGTGTGCTTATTTTCATACT
CCAGAGGTAACCTCGGTCCCACCGCCTTGGCCTTACGTTCTGTATGTAGCTCCCCTGTGATGGTAGCT
CAGCCCATTTATCAGCAACCTGCATATCACTACCAGGCCACCACAGTATTTACCAGGACAGTGGCAG
TGGAGTGTTCCTCAGCCTTCTGCCTCTTCTGCTCCATTCTTATACCTGCAACCTTCTGAGTTATTTAT
CAACCAGTGAAATTGCACAGGATGGTGGATGTGTTCTCCTCCACTGTCTCTGATGAAACTTCAGTT
CCAGAGCCTTATCTGATCATGGAGTTCAAGCAACATATCACCAGGTTTATGCTCCAAGTGCCATCACT
ATGCCTGCGCCTGTGATGCAGCCTGAGCCAATTAACAGTGTGGAGCATTTCATTATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_197970
Insert Size:	888 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_197970.2</u>
RefSeq Size:	2779 bp
RefSeq ORF:	888 bp
Locus ID:	66037
UniProt ID:	<u>Q8N9W6</u>
Cytogenetics:	2q33.1
MW:	32.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>