

Product datasheet for **RC228732**

BOD1 (NM_001159651) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BOD1 (NM_001159651) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BOD1
Synonyms: FAM44B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC228732 representing NM_001159651
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACGGCGGGCGGGGGAAGTGGCGCGTGGGCGGGCGGGAAGTACCCAGGCCTCTGCCG
GGGCAGCGACTGGCGCTACTGGGCGAGCGGGCGGTGGCCCCATCAACCCGGCCTCGCTGCCCTCCCG
CGACCCGACGCTCATCGCTCTCATCGTGGAGCAGCTCAAGAGCCGGGCGCTTTTGGACAGCTTCCGCGG
GACTGCCCTGGCCGACGTGGACACCAAGCCAGTTACCAAAACCTGAGGCAGAAAGTGATAATTTGTGT
CAACACATCTGGACAAGCAGGAATGGAATCCTACGATGAACAAAACAGTTGCGAAATGGTCTGAGGCA
GAGTGTGGTTCAAATACGCCAGACACCTTTGAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228732 representing NM_001159651
Red=Cloning site Green=Tags(s)
MADGGGGGTGAVGGGTSQASAGAATGATGASGGGPINPASLPPGDPQLIALIVEQLKSRGLFDSFRR
DCLADVDTKPAYQNLQRQKVDNFVSTHLDKQEWNPMTMKNQLRNGLRQSVVQIRQTPFES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001159651

ORF Size: 387 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_001159651.3](#)

RefSeq ORF: 390 bp

Locus ID: 91272

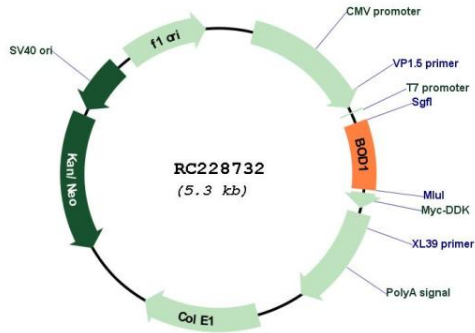
UniProt ID: [Q96IK1](#)

Cytogenetics: 5q35.2

MW: 13.1 kDa

Gene Summary: Required for proper chromosome biorientation through the detection or correction of syntelic attachments in mitotic spindles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228732