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Product datasheet for SC122291

BOB1 (POU2AF1) (BC032549) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOB1 (POU2AF1) (BC032549) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOB1
Synonyms:	BOB1; OBF-1; OBF1; OCAB; POU class 2 associating factor 1; POU domain, class 2, associating factor 1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for BC032549 edited
CCACGCGTCCGCACCCCGGTCTCACATTAAAGAAGCCAAACTGTCGGCTTCAAAGAGAAA
AGGCAACATCCTGTCACAGGCCATGCTCTGGCAAAAACCCACAGCTCCGGAGCAAGCCCC
AGCCCCGGCCCGGCCATACCAGGGCGTCCGTGTGAAGGAGCCAGTGAAGGAACTGCTGAG
GAGGAAGCGAGGCCACGCCAGCAGTGGGGCAGCACCTGCACCTACGGCGGTGGTGCTGCC
CCATCAGCCCCTGGCGACCTACACCACAGTGGGTCCTTCCTGCCTGGACATGGAAGGTTC
TGTGTCTGCAGTGACAGAGGAGGCTGCCCTGTGTGCCGGCTGGCTCTCCCAGCCCACCCC
GGCCACCCTGCAGCCCCTGGCCCCATGGACACCTTACACCGAGTATGTGCCCCATGAAGC
TGTCAGCTGCCCCTACTCAGCTGACATGTATGTGCAGCCCGTGTGCCCCAGCTACACGGT
GGTGGGGCCCTCCTCAGTGTTGACCTATGCCTCTCCGCCACTCATCACCAATGTCACGAC
AAGAAGCTCCGCCACGCCCGCAGTGGGGCCCCCGCTGGAGGGCCCAGAGCACCAGGCACC
CCTCACCTATTTCCCGTGGCCTCAGCCCCTTTCCACACTACCCACCTCCACCCTGCAGTA
CCAGCCTCCGGCCCCAGCCCTACCTGGGCCCCAGTTTGTCCAGCTCCCCATCTCTATCCC
AGAGCCAGTCCTTCAGGACATGGAAGACCCCAGAAGAGCCGCCAGCTCGTTGACCATCGA
CAAGCTGCTTTTGGAGGAAGAGGATAGCGACGCCTATGCGCTTAACCACACTCTCTCTGT
GGAAGGCTTTTAGGCGTGGCTCCCACCTGAGTCCTGTTCCCTGAAACTGGGATTTTAAAA
TGAGCCTGGAATTGAGCCCCAGGTTCATGCTTGTTTGGAGTAGTCATTTCATGACTACAC
TTTCTACGCACAGCTAGAATTGTAGACCTGTAAACCTTCCTTCCCTTCTTCCTTCCCCTC
CCTCCCTCACTTCCTCCCTCTCCCCCATCCTTCCATTCTTCCCCTCCCTCCCTTCTTCCT
TTCCAACCCCTTCCTTCCTTTTCCTCCCTCCCTTCCTTCCCTCCTTCCCTTCTCCCTTTC
CAACCCCTTCCTTCCTTTTCCTCCCTCCCTTCCTTCCCTCCTTCCCTTCTCCCTTTCCTT
CTTTACCTCCCTCCCTCCCTCGCTTCTTCTCTCTTTCTTACTTCTTTTTTCAATTCTGTT
CCATTTTGGGAGGTAATTATAGGGATTTTAGCAATAACATTTTATGTCAAATGTTGCCAA
GTCTGTGGTCCATGGGCTTTCATTTCTGTCACATTTCATTTCTTGGAAAAGGCCTCCTTC
CTCCAGTGCCTGCTGAACCATCTTAGGGTCACTCACACCCTCTGTAATTTTAAGATGTAT
GTGGTGGCCGGCGGGAAGACCAGCCCCGACAGCACCTCCTGAGAAAGTCAGCCAAGGGCC
TACCCTGATGCCAGAGTCCTTGAGCTGTCAGTTCCCACAGTTGCTCCTTTGTTTGCTCTT
CTCAGCCTCGGCCAGATTTACAGTCCAGGCAGCAAAATCTCAAGGCCTGGGGCTCAGAGT
AGTAAGGGGTGGGAAGTGGGTGGCAGGGAGAAAAGAACATCAGGGTGGGTGGGGACAGGC
CAGTGACGAAGAGAGGGACAGAGGAGGGATGGGAACAGGCTGTGCATCTTAGTTGGAGAG
AGGGGTGTGGGAGGAAGCTTGAGTTTGATGCAGGGAGGAGGAAGGCTGAGGAATGACTTG
GCTCCAGATTACTTGGTTATTAAGAAGAACAATAAACTAAAGGAAAGCATTGCTTGAAGA
GATGGTTTTGCTGCTCTCCTTGAGGATACGTGCAAGGGAAGTTGGGCTGTTGTAAACAGG
GTGAAGGGTGTGTTTGGTCGGCCATTTCTGTCTCACCTCTAGGCCCTCTGCTGGTGCTGT
GGAGGCCAAGACCCCATTAAGCCTAAAGGTGATGGGTCCTCGCCTAGGCTTAGTGCTACC
ATGTGGGTTTTGTTTCTTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTCCTTC
CTTCCTTCCTCTCTCTTTCTTTCTTTTTTTTGTTTTTTTTTGGGACGGAGTCTCACTCCA
TTGCCCAGGCTGGAGTACAATGGTGCGATCTTGGCTCACTGCACCTCTGTCTCCCAAGTT
CAAGTGATTCTCCTGCCTGAGCCTCCCGAGTAGCTGGGATTACAGGTGCATGCCACCATG
CCCGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTCACCATGTTGGCCAGGCTGGTC
TCGAACTCCTGACCTTGTGATCCGCCCGCCTCAGCCTCTCAGAGTGCTGGGATTACAGGC
GTGAGCCACCGCACCCAGCCTTTTACCATGTGGGTTTCTTTAGTGTCTTAAAAGCGTCCA
TAAGCCACCATTCTGTGGAACCAAGGCCCCCTCCACGCAAACACCCTCCCTCCTGGGGAC
CTCTGGAGCCTCAGCCAGAAGTACCATTAGGTTTAATTTTAATTTGTTTTGCTGGAGAAA
CATCAGGTTTGTAGGAGACTGAGTTGTTAGCAGGTGTGCTTAGCTCTTGATAGTGAACGT
GTACCTTGGGAACTGGCTCACCCACCTGCTAATAGCACCATCGTCACTATTAAGCAGACA
TTTCAGTTGGTAGAATCCATGTAGAAGTCATGGACTTTTCTGGGAAATGACTTTTCTGGG
AAATGACAGTTTCTTTGACATATTTTCTTTGCCCACTTTAAATAAAAACTCTGGAGAAAG
TTAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for BC032549 unedited
CCCATCATTTGTNATACCACTCTTTATAGGCGGCCGCGACTTCCCGGGATATCGTCGACC
CACGCGTCCGCACCCCGGTCTCACATTAAAGAAGCCAAACTGTCGGCTTCAAAGAGAAAA
GGCAACATCCTGTCACAGGCCATGCTCTGGCAAAAACCCACAGCTCCGGAGCAAGCCCCA
GCCCCGGCCCGGCCATACCAGGGCGTCCGTGTGAAGGAGCCAGTGAAGGAACTGCTGATG
AGGAAGCGAGGCCACGCCAGCAGTGGGGCAGCACCTGCACCTACGGCGGTGGTGCTGCCC
CATCAGCCCCTGGCGACCTACACCACAGTGGGTCCTTCCTGCCTGGACATGGAAGGTTCT
GTGTCTGCAGTGACAGATGAGGCTGCCCTGTGTGCCGGCTGGCTCTCCCAGCCCACCCCG
GCCAACCCTGCAGCCCCTGGCCCCATGGACACCTTACACCGAGTATGTGCCCCATGAAGC
TGTCAGCTGCCCCTACTCAGCTGACATGTATGTGCAGCCCGTGTGCCCCAGCTACACGGT
GGGGAGCCCCTCCTCAGTGTGGACCTATGCCTCTCGCCACTCTTAATCATGTTATGACAA
GAATCTTCCCCCCGCCCCGCATAGGGGCCCCGGCTTGAGGGCCATAGCACCAGGCACCCC
TAACTATTTTCTTTTGTCTTATCCCCTTTGCACATTTCCCATCTTCCACCTGCAGGAACA
GTCTGCGGTACGCAGTCCTAATTGGGCCCTATTTTCGGCGAGCTCCCCCTTCTCTTCCGA
AGAACCACGTCCGTTCAGGCCACGGCAAACACCCCCGCAATAGACCACCTACCTCGGTGT
ACCCTATTTAAGACTGGCCTTTTTGCAAAATAAAGATAAGCACCCGCCTTATTGCCCTTA
TACACCCCCTCCTCCTATAAAATATACTCTCATACCTAGGCTCACCACCCTGTAATCTCC
GGCCG
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Restriction Sites: Please inquire

ACCN: BC032549

Insert Size: 2837 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).

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: BC032549.1, AAH32549.1

RefSeq Size: 2837 bp

Locus ID: 5450

Cytogenetics: 11q23.1

Gene Summary: Transcriptional coactivator that specifically associates with either OCT1 or OCT2. It boosts the OCT1 mediated promoter activity and to a lesser extent, that of OCT2. It has no intrinsic DNA-binding activity. It recognizes the POU domains of OCT1 and OCT2. It is essential for the response of B-cells to antigens and required for the formation of germinal centers. [UniProtKB/Swiss-Prot Function]