

Product datasheet for **SC303755**

BOB1 (POU2AF1) (NM_006235) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOB1 (POU2AF1) (NM_006235) Human Untagged Clone
Tag:	Tag Free
Symbol:	BOB1
Synonyms:	BOB1; OBF-1; OBF1; OCAB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006235, the custom clone sequence may differ by one or more nucleotides

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ATGCTCTGGCAAAAACCCACAGCTCCGGAGCAAGCCCCAGCCCCGGCCCGCCATACCAGGGCGTCCGTG
TGAAGGAGCCAGTGAAGGAACTGCTGAGGAGGAAGCGAGGCCACGCCAGCAGTGGGGCAGCACCTGCACC
TACGGCGGTGGTCTGCCCCATCAGCCCCTGGCGACCTACACCACAGTGGGTCTTCTCCTGCCTGGACATG
GAAGGTTCTGTCTGCAGTGACAGAGGAGGCTGCCCTGTGTGCCGGCTGGCTCTCCAGCCCACCCCGG
CCACCTGCAGCCCCTGGCCCCATGGACACCTTACACCGAGTATGTGCCCATGAAGCTGTCAGCTGCC
CTACTCAGCTGACATGTATGTGCAGCCCCTGTGCCCCAGCTACACGGTGGTGGGGCCCTCCTCAGTGTG
ACCTATGCCTCTCCGCCACTCATACCAATGTACGACAAGAAGCTCCGCCACGCCCGCAGTGGGGCCCC
CGCTGGAGGGCCCAGAGCACCAGGCACCCCTCACCTATTTCCCGTGGCCTCAGCCCCTTTCCACACTACC
CACCTCCACCCTGCAGTACCAGCCTCCGGCCCCAGCCCTACCTGGGCCCCAGTTTGTCCAGCTCCCCATC
TCTATCCAGAGCCAGTCTTCAGGACATGGAAGACCCCAGAAGAGCCGCCAGCTCGTTGACCATCGACA
AGCTGCTTTTGGAGGAAGAGGATAGCGACGCCTATGCGCTTAACCACACTCTCTGTGGAAGGCTTTTA
G
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Restriction Sites:	Please inquire
ACCN:	NM_006235
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).



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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:	NM_006235.1 , NP_006226.1
RefSeq Size:	3314 bp
RefSeq ORF:	771 bp
Locus ID:	5450
UniProt ID:	Q16633
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]