

Product datasheet for **MC201929**

Pou2af1 (NM_011136) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou2af1 (NM_011136) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pou2af1
Synonyms:	Bob-1; BOB.1; Bob1; OBF-1; OBF.1; OCA-B; OCAB
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058611 sequence for NM_011136
AAGAGGTAATCCCCAGTCACATTAAGAAGCCAACTGTCTGCTTCAAAGAGAAAAGGCAACATCCTGTG
ACAAGCCATGCTCTGGCAAAAATCCGCAGCTCCAGAGCAAGCTCCTGCCCCACCAAGGCCACACCAGGGT
GTTTCGAGTCAAGGAGCCAGTGAAGGAGCTACTGAGAAGAAAGCGTGGCCATACCAGCGTTGGGGCAGCTG
GGCCACCAGCCGGTGGTACTGCCCCACCAGCCCTGGCCACCTACAGCACTGTGGTCTTCTGCCT
TGACATGGAGGTTTCTGCTTCCACAGTGACAGAGGAGGGAACATTATGTGCTGGCTGCCAACCT
GCCCGGGCCACTTTCAGCCATTGGCTCCATGGACACCCACACGGAGTATGTGCTCCATGAAGCTGTCA
GCTGCCCTACTCCACTGACATGTACGTGCAGCCTGTGTGCCCCAGCTACACAGTGGTGGACCCTCCTC
GGTGTGACCTATGCTTCTCCACCACTCATCACTAATGTACGCCAAGAAGCACTGCTACACCCGCGGTG
GGGCCCCAGCTGGAGGGTCCCGAGCACCAGGCGCCCTCACTTATTTCCCGTGGCCTCAGCCCTTTCCA
CACTGCCACCTCCAGCCTGCAGTATCAACCTCCTGCCCAACCCCTGTCTGGGCCCAGTTTGTCCAGCT
CCCCATCTCTATCCAGAGCCAGTCTTCCAGGACATGGATGACCCAGAAAGGGCCATCAGCTCCCTGACC
ATTGACAAGCTGCTTCTGGAGGAAGAGGAAAGCAACACGTACGAGCTCAACCACACCCTCTCCGTGGAGG
GCTTTTAGGGCTGGCTTGCATCTAACAGATGTTTACCCATAGCTGAGATTTTAAAGTGTCAATAGAG
CCCAGACTTCTGTTTGAAGTAGCTATTTACAGGCTTCTTTCTTCTAAAGCTAAATTGTATCCCTTCT
TTTCTCCCTTCTTCTTCCCTCGCTTCTTCTTCCCCACTGCCATCTTGCTTATTTCTTATTTCTCTCT
TCCAGTTTTCTTCTTCTGGAGCGGCAAATGATAGTGATATTATGAACAACGCTTTATACGGAATGTCACC
AAGTCTGCAGCTCAGGGTTTTCTTTGGTGGCACATCATTGGGGAAGCAACCTTCTTTCAGGTGCCCCCT
GTTTCTGGTAGCAGTAGCTTTATAGATCTACTCTATGATACGTTCTGCGCCCCAGTTTTGTTTTGTGTG
CTGTTCTCAGCCTTGGCCAGATACTACTAAGTGGATGTTTCTGGTCTGGTTACAGGGGGATGGGACA
GGACCATCAGGGTGGTAGGGACAGTGAAGTGAAGTGGAGACGGGGCTGAGGAGCAGCAGGACACACA
TGTGTCTGTGGTTAGAGAGGGAGTGAAGAGGGGAGGGGAAGGAGTGAATCAACAGCTGAAAAAAA
ATACCATTTAATGTGGTTTAGCTGTTCTGTGAGCGATTAGGAGGAAAGCTGGATATGGTATGGAGGAT
AAATGACGAGTCTGCTTATTTCTGCTTCTGCGAGGCCCGCTAACATGATGCCAGCACTTAAAACTTTC
TGTGAGCATATTGCCATAGCAACAGGAAAAGAAACAGGTGAAGCCGATCATTGAGGAGGCTTGCATTAG
TCCTTCCACGTGGGCTTTAATTCCTGTTGTGACTCACCCAGGGCCATCCTGACGCGTTGCTATGGATTC
TTGCGCCCACTACCCGGCTGTCTCTGGGGTCTGAAGTCTGGTCAAGGAGGAGGAGGAGGAGGAGGAGG
AGTTTTATCAGTTTTATTGCAGTTTTGCTGGAGAAGCATAACACTTGTGTTGAGTGTGTTGCTGTCTC
CTAGTGTCTTCTCCTGAAGTGGATGTCTTTGGGAAGTGGCCATTGTTTACTAATGATACCATCATT
ACACATACACAAGTTTTAGTCTGTAGAATCCATGTAGAACCAATAGATCTTCTAGAAATGACAGTTTCTT
TGATATCCACCCTTTCTTTCTGCTTCCAATGAAAAGTGTAGAGCTACCTGTTTTTTTTTTCTTCTTCT
TCTTCTTTCTTCTGCTTTGTGTTATTTGATTGAGACATCTCATTATCTACCTGAAGTCTCGGTAT
ACTTAGCTTGAATTTGTTATTCCTTTAATATTTAGATTAATGCTAGATCTGAATGGTAGGTTTACAC
TTCTGTTGGTGGTTACCATGAACAAGAAAGGGAGAGGGAAGCCTCAGCCTATTTAATTAAGACCTTGTG
CACTTAAAAACACTATTTAAGATTTCCAGCTACTTGGGAGTTTGGGCAATCACAGAGGAGTTAACT
GGGAAAACAAAACAAACAGCAAAGAAAGTAGTGTGAGCGGTTGCTGGGATCGAATTGGCATCTTTTCGC
TTCTTATCTTGAGACCTCAGCTTGGCTGCAGGCATCCAAACAGATTTCTCCAGGCCTCATTGCAA
CATTTTCAATAAAGATTGGTTAGATGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_011136

Insert Size: 771 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: [BC058611](#), [AAH58611](#)

RefSeq Size: 2565 bp

RefSeq ORF: 771 bp

Locus ID: 18985

UniProt ID: [Q64693](#)

Cytogenetics: 9 A5.3

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]