

Product datasheet for **MC217615**

Bbof1 (NM_028377) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bbof1 (NM_028377) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bbof1
Synonyms:	2900006K08Rik; AI427784; Ccdc176
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217615 representing NM_028377
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGCAAGGACAAGAGGAAAGACAAGAGGAAAGACAAGAGGAAAGGCAAAAACAAAGGCAAGAAC
 CAAAGAAAATAATCAAATCAGATGAACCTGCAATTGAAAGAGCCAAAGCCAATGCCTCTCTTTGGGAGGC
 CAGATTGGAAGTACAGAACTCTCTAGGATTGAATATCGTGATACTTCCCGAAGACTGGCAAAAAATAAT
 GAAGACTTAAAGAAACAGCAATATAACATGAAAAAGACATTATGTCTGTATTAAGCTACTTGAAGAAGC
 AGGATCAAGAGAAAGATAATATGATAGAAAACTGAAGCAGCAGTTGGCTAAAACAAAGGAAAAAGCCCA
 GGAAGAGAAGGAAAAATTGGAACAAAAGTATGCTCTGCAAGTGAAGTGGAGGGACAGTTTCATCAA
 AAAGCCAAGGAAATCGGCATGATTCAGACAGAGCTAAAGACAATAAAACAATCCAGAAGAGAAAAATAC
 AAGTGGAGAAAGAATTAGATGATCTGAAAGAAAATTTAAGGAACTCAGAGAAGAACTATCAGGAGACTCT
 TAGAAGACTAGAAAGCAGATTTTTTGAAGAAAAGCACCGTTTGGAGCAAGAGGCTGAGAAGAGGATCATA
 ATGCTGGCAGAGAGAGCTACCATGAAGCTGTAGTGCAGTTGAACACTGCTGGAAGAAATGTTTTCAAAG
 AGAATGTTTATCTTACAAAGCGCTTGCAACCACTTGAAGGAAGCTGAAATTCAGCAAAAACCTCCAA
 GAAGATTGAAGAAAACCTTCTGCCTTTTACAACAAAAGGAAATCAATGATCTGTTGGTTAAGGAAAAG
 ATTATGCAACTCACCCAGCAGAAATCACAAATCCAAACTCTCCAGAAGAAGGTGGTAAGCTTGGAGAACG
 CTCTGACCTACATGACCACAGAGTTTGAGGCTGAAGTGTGAAACTGCAGCAAAAGGCAATCATAGAGAA
 CCAAGCAGGCTTGGTAGAGATTGACAAGCTGCAGCAACTTCTCAGATGAAGGACAGGGAGATGAACCGA
 GTGAAGAGGCTGGCTAAGAACATACTGGATGAGAGGACAGAAGTGAACAGTTCTTTCTAGACGCTCTCT
 ACGAAGTGAAGCAACAGATTCTGGCCAGCAGGAAGCATTATAAGCAGATAGCACAAGCTGCTTTCAATTT
 AAAAAATGAGAGCAGCATGTGCGGAAAAACAGAATATCCAGAATCAGGACCTTTGATGGCAAGAACA
 AGTACCAATAGTGTGAACCAGGATCTTTGGAGGCTGAAAAATGGCCAACACTCAAAAAATGTGGATA
 TTAGAGATTTGACCTGGGAGCAGAAGGAAAAGGTCTTAAGATTGCTTTTGC AAAAATGAATGGTTTTGC
 TGCTAGGAAATACAGTCAGAGTTCTAAGCCTCCTGTTCCAGACCATATTTATGGCAGTGGAGAAATG
 AAAGAACTGGGGATGAAAAAACCTTCTAGATCAAACCTTCATCACCCAGCAAGCGCCAGTATCAGACT
 CCAATAGAATGGTGCACCCGATGTTATTCCTCAAGGATTACAGGACTCTGACATAGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_028377

Insert Size: 1602 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: [NM_028377.3](#), [NP_082653.2](#)

RefSeq Size: 2190 bp

RefSeq ORF: 1602 bp

Locus ID: 72873

UniProt ID: [Q3V079](#)

Cytogenetics: 12 D1

Gene Summary: Basal body protein required in multiciliate cells to align and maintain cilia orientation in response to flow. May act by mediating a maturation step that stabilizes and aligns cilia orientation. Not required to respond to planar cell polarity (PCP) or flow-based orientation cues (By similarity).[UniProtKB/Swiss-Prot Function]