

## Product datasheet for MR223917

### Bdh1 (NM\_175177) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Bdh1 (NM_175177) Mouse Tagged ORF Clone                                     |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Bdh1  |
| Synonyms:                 | 2310032J20Rik; A1327223; Bdh  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR223917 representing NM_175177<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTAGCTGCCCGTCTCTCCAGACCCCTGTCACAGCTCCCAGGAAAAGCCCTAAGTGTCGGTGACAGAG  
AAAATGGGACAAGACACACTGTTGTTTTATCCAGCATCCTTCAGCCCTGACACCCGTCGGACCTACGC  
CAGTCAGGCAGATGCGGCTAGTGGCAAAGCTATCCTGATCACAGGCTGTGACTCTGGATTTGGGTTCTCA  
CTGGCCAAGCATCTGCACTCAAAGGCTTCCTTGTATTTGCTGGCTGTTTGTGAAGGACAAAGGTGATG  
CTGGGGTCAAGGAACTGGACAGCTTGAAGAGTGACCGACTGAGAACCATCCAGCTCAATGTCTGCAACAG  
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TGGCTGAAGTGAACCTCTGGGAACCGTGCGCACCACAAAATCCTTCCCTTCTCCGAAGAGCCAA  
AGGTCGCGTCGTTAACATCAGCAGCATGCTGGGCCGATGGCCAACCCCGCCCGCTCGCCATACTGCATC  
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GTGTGGTGAACCTGGCAACTTCATAGCGGCCACCAGTCTCTACAGCCCCGAGCGCATCCAGGCCATCGC  
CAAGAAGATGTGGATGACCTGCCTGAGGTCGTCGCAAGGACTATGGCAGGAAGTACTTCGATGAAAAG  
ATTGCCAAGATGGAACTACTGCAACAGCGGTTCCACAGATACTCCTGTGCATCAACGCTGTCACAC  
ACGCCTTGACCGCCGCCACCCCGTATACCCGCTACCATCCATGGACTACTGGTGGCTTCGGATGCA  
GATCATGACCCATTTTCTGGAGCCATCTCTGACAAGATCTACATACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR223917 representing NM\_175177  
Red=Cloning site Green=Tags(s)

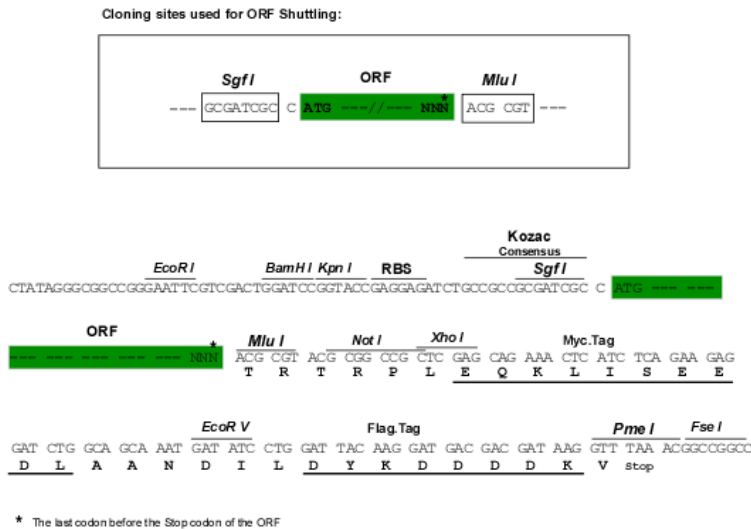
MLAARLSRPLSQLPGKALSVRDRENGTRHTLLFYPASFPDTRRTYASQADAASGKAILITGCDSGFGFS  
 LAKHLHSGKGLVFAGCLMKDKGDAGVKELDSLKSDRLRTIQLNVCNSEEVEKAVETIRSGLDPEKGMWG  
 LVNNAGISTFGEVEFTSMETYKEVAEVLNWTVRTTKSFLPLLRRAKGRVNISSMLGRMANPARSPYCI  
 TKFGIEAFSDCLRYEMHPLGVKVSVEPGNFIAATSLYSPERIQAIAKKMWDDLPEVVRKDYGRKYFDEK  
 IAKMETYCNSGSTDTSSVINAVTHALTAATPYTRYHPMDYYWLLRMQIMTHFPGAISDKIYIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9061\\_a07.zip](https://cdn.origene.com/chromatograms/mm9061_a07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175177

**ORF Size:** 1029 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\\_175177.4](#), [NP\\_780386.3](#)

**RefSeq Size:** 3114 bp

**RefSeq ORF:** 1032 bp

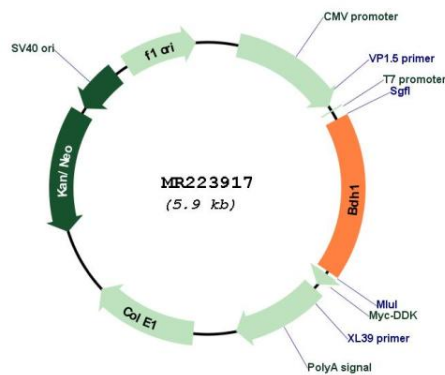
**Locus ID:** 71911

**UniProt ID:** [Q80XN0](#)

**Cytogenetics:** 16 B2

**MW:** 38.3 kDa

### Product images:



Circular map for MR223917