

Product datasheet for **MG223917**

Bdh1 (NM_175177) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Bdh1 (NM_175177) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Bdh1 |
| Synonyms: | 2310032J20Rik; AI327223; Bdh |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG223917 representing NM_175177 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAGCTGCCCGTCTCTCCAGACCCCTGTCACAGCTCCCAGGAAAAGCCCTAAGTGTCGGTGACAGAG
AAAATGGGACAAGACACACGCTGTTGTTTTATCCAGCATCCTTCAGCCCTGACACCCGTCGGACCTACGC
CAGTCAGGCAGATGCGGCTAGTGGCAAAGCTATCCTGATCACAGGCTGTGACTCTGGATTGGGTTCTCA
CTGGCCAAGCATCTGCACTCAAAGGCTTCCTTGTATTTGCTGGCTGTTGATGAAGGACAAAGGTGATG
CTGGGGTCAAGGAACTGGACAGCTTGAAGAGTGACCGACTGAGAACCATCCAGCTCAATGTCTGCAACAG
TGAAGAGGTGGAGAAGGCGGTGGAGACGATCCGCTCCGGCCTGAAAGATCCTGAGAAGGGAATGTGGGGC
CTGGTTAACAACGCAGGCATCTCAACGTTTGGGGAGGTGGAGTTCACCAGCATGGAGACATATAAGGAGG
TGGCTGAAGTGAACCTCTGGGAAACCGTGCACACCACAAAATCCTTCCTTCCCCTTCTCCGAAGAGCCAA
AGGTCGCGTCGTTAACATCAGCAGCATGCTGGGCCGATGGCCAACCCGCCCCGCTCGCCATACTGCATC
ACCAAGTTTGGGGTCGAGGCTTCTCGGACTGCCTGCGCATGAGATGCACCCCTCTGGGTGTCAAGGTCA
GTGTGGTGAACCTGGCAACTTCATAGCGGCCACCAGTCTCTACAGCCCCGAGCGCATCCAGGCCATCGC
CAAGAAGATGTGGATGACCTGCCTGAGGTCGTCGCAAGGACTATGGCAGGAAGTACTTCGATGAAAAG
ATTGCCAAGATGGAACTACTGCAACAGCGGTTCCACAGATACTTCTCTGTCATCAACGCTGTCACAC
ACGCCTTGACCGCGCCACCCCGTATACCCGCTACCATCCATGGACTACTGTTGGCTTCGGATGCA
GATCATGACCCATTTTCTGGAGCCATCTCTGACAAGATCTACATACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223917 representing NM_175177
 Red=Cloning site Green=Tags(s)

MLAARLSRPLSQLPGKALSVRDRENGTRHTLLFYPAFSPDTRRTYASQADAASGKAILITGCDSGFGFS
 LAKHLHSKGFVAFAGCLMKDKGDAGVKELDSLKSDRLRTIQLNVCNSEEVEKAVETIRSLKDPEKGMWG
 LVNNAGISTFGEVEFTSMETYKEVAEVLNWTGVRTTKSFLPLLRRAKGRVVNISSMLGRMANPARSPYCI
 TKFGVEAFSDCLRYEMHPLGVKVSVEPGNFIAATSLYSPERIQAIAKKMDDDLPEVVRKDYGRKYFDEK
 IAKMETYCNSGSDTSSVINAVTHALTAATPYTRYHPMDYYWLMQIMTHFPGAISDKIYIH

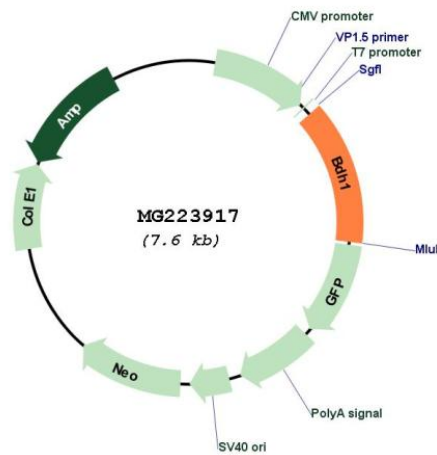
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_175177

ORF Size: 1029 bp

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| 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: | <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_175177.3 |
| RefSeq Size: | 3114 bp |
| RefSeq ORF: | 1032 bp |
| Locus ID: | 71911 |
| UniProt ID: | Q80XN0 |
| Cytogenetics: | 16 B2 |