

Product datasheet for **MG205162**

Bdh1 (BC096457) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bdh1 (BC096457) 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:	>MG205162 representing BC096457 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAGCTGCCCGTCTCTCCAGACCCCTGTCACAGCTCCCAGGAAAAGCCCTAAGTGTCGGTGACAGAG
AAAATGGGACAAGACACACGCTGTTGTTTTATCCAGCATCCTTCAGCCCTGACACCCGTCGGACCTACGC
CAGTCAGGCAGATGCGGCTAGTGGCAAAGCTATCCTGATCACAGGCTGTGACTCTGGATTTGGGTTCTCA
CTGGCCAAGCATCTGCACTCAAAGGCTTCCTTGTATTTGCTGGCTGTTGATGAAGGACAAAGGTGATG
CTGGGGTCAAGGAAGTGGACAGCTTGAAGAGTGACCGACTGAGAACCATCCAGCTCAATGTCTGCAACAG
TGAAGAGGTGGAGAAGGCGGTGGAGACGATCCGCTCCGGCCTGAAAGATCCTGAGAAGGGAATGTGGGGC
CTGGTTAACAACGCAGGCATCTCAACGTTTGGGGAGGTGGAGTTCACCAGCATGGAGACATATAAGGAGG
TGGCTGAAGTGAACCTCTGGGAACCGTGCACACCACAAAATCCTTCCCTTCTCCGAAGAGCCAA
AGGTCGCGTCGTTAACATCAGCAGCATGCTGGGCCGATGGCCAACCCGCCCCGCTCGCCATACTGCATC
ACCAAGTTTGGGGTCGAGGCTTCTCGGACTGCCTGCGCATGAGATGCACCCCTCTGGGTGTCAAGGTCA
GTGTGGTGAACCTGGCAACTTCATAGCGGCCACCAGTCTCTACAGCCCCGAGCGCATCCAGGCCATCGC
CAAGAAGATGTGGATGACCTGCCTGAGGTCGTCGCAAGGACTATGGCAGGAAGTACTTCGATGAAAAG
ATTGCCAAGATGGAACTACTGCAACAGCGGTTCCACAGATACTTCTCTGTCATCAACGCTGTACAC
ACGCCTTGACCGCCGCCACCCCGTATACCCGCTACCATCCATGGACTACTGTTGGCTTCGGATGCA
GATCATGACCCATTTTCTGGAGCCATCTCTGACAAGATCTACATACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205162 representing BC096457
 Red=Cloning site Green=Tags(s)

MLAARLSRPLSQLPGKALSVRDRENGTRHTLLFYSPASFPDTRRTYASQADAASGKAILITGDCSGFGFS
 LAKHLHSKGFVVFAGCLMKDKGDAGVKELDSLKSDRLRTIQLNVCNSEEVEKAVETIRSLKDPEKGMWG
 LVNNAIGISTFGEVEFTSMETYKEVAEVLNLTGTVRRTTKSFLPLLRRAKGRVNISSMLGRMANPARSPYCI
 TKFGVEAFSDCLRYEMHPLGVKVSVEPGNFIAATSLYSPERIQAIAKKMDDDLPEVVRKDYGRKYFDEK
 IAKMETYCNSGSDTSSVINAVTHALTAATPYTRYHPMDYYWLLRMQIMTHFPGAISDKIYIH

TRTRPLE - GFP Tag - V

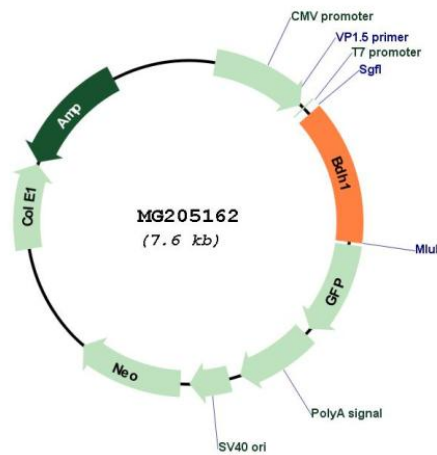
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC096457
ORF Size: 1031 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:	<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:	BC096457 , AAH96457
RefSeq Size:	1657 bp
RefSeq ORF:	1031 bp
Locus ID:	71911
Cytogenetics:	16 B2