

Product datasheet for **MG204793**

Barhl1 (NM_019446) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Barhl1 (NM_019446) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Barhl1
Synonyms: Dres115; MBH2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204793 representing NM_019446
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGGCTCTAATGGCTTTGGGATTGACTCCATTCTCTCCACCGAGCGGGCAGCCCCGCCCTTCCCA
 AGGGGGACCCCTTGCTTGGGGACTGCCGTTACCCCTGGAGCTGAGTCCACGCTCAGAGAGCAGTAGCGA
 CTGCTTTCACCAGCCTCGCCCGAAGAGACTGTCTGGAGACCAGTACCTCGCGGCTGGTGCAGCATCT
 GGCCAGGTTTGGACTCTCACCTGCAACCGGGCAGCTTTCAGCCCCAGCCAGTCGCGAACTGTCACT
 CCTCCTTTCTGATCAGGGACATCCTTGCTGACTGCAAACCTCTCGCGCCTGTGCACCCTACTCTAGCAG
 TGGGCAGCTGCAGCCCTGAGCCTGGGGCCGCCTTGCAGCCAAAGCCGGGGAGGACTTTCGAGACAAG
 CTGGACAAAAGTGTGAGCAGCGTTCATCAGACTCTGAGTACAAAAGTGAAGGAGGAGGGCAGCCGCGAGA
 TCTCCAGCTCTCGGGACAGTCCCCCGGTGCGCCTGAAAAAGCCACGCAAAGCACGCCCTTACCGA
 CCATCAGCTGGCGCAGCTGGAGCGTAGCTTCGAGCGGCAGAAAACCTGAGCGTGAAGACCCGATGGAG
 CTAGCCGCTCGCTCAACCTCACCGACACGAGGTCAAGACCTGGTACCAGAACCAGGACTAAATGGA
 AGCGACAGACGGCCGTGGGGCTGGAGCTGCTAGCGGAGGCAGGCAATTACTCGGCCTCCAGAGAATGTT
 CCCGTGCTTATTTCTACCCGACAGTCTGGTTTCCAATCTGGACCCCGGTGCCGACTCTATCTGTAC
 CGCGGACCCAGCGCCACCTCCTGCCCTCAGAGACCTCTGGTGCCCGCATCCTATCCACGGACTCC
 AGGGCGCCAGCGAGCCGCCCGCCGCTGCCCGCTGCCCGGCTCCTCCCGCGCCGCGCAGCCCCG
 G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204793 representing NM_019446
 Red=Cloning site Green=Tags(s)

MEGSNGFGIDSILSHRAGSPALPKGDPLLGDRCSPLELSRSESSSDCSSPASPGRDCLSTSRPGAAS
 GPGLDSDLQPGQLSAPAQSRTVTSFLIRDILADCKPLAACAPYSSSGQPAPEPGGRLAAKAGEDFRDK
 LDKSVSSASSDSEYKVKKEEGDREISSSRDSPVRLKKPRKARTAFDHLQAQLERSFERQKYL SVQDRME
 LAASLNL TDTQVKTWYQNRRTKWKRQTAVGLELLAEAGNYSALQRMFSPYFYPQSLVSNLDPGAALYLY
 RGPSAPPPALQRPLVPRILIHGLQGASEPPPLPPLPGVLPRAAQPR

TRTRPLE - GFP Tag - V

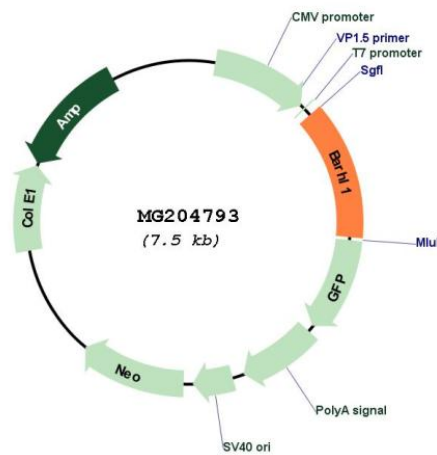
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_019446

ORF Size: 3671 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:	NM_019446.4 , NP_062319.1
RefSeq Size:	3698 bp
RefSeq ORF:	984 bp
Locus ID:	54422
UniProt ID:	P63157
Cytogenetics:	2 19.38 cM