

Product datasheet for **MG205994**

Barhl2 (NM_001005477) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Barhl2 (NM_001005477) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Barhl2
Synonyms:	E130309B19Rik; MBH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205994 representing NM_001005477 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGCAATGGAAGGGGCCAGCGGGTCGAGTTTTGGAATAGACACTATTTTGTCCGGTGCCGGTTCCG
GGAGCCCCGGCATGATGAACGGGGATTTCCGATCGCTCGTGAAGCGAGGACAACGGATTTTAGGAGCCA
GGCCACCCCGTCACCCTGTTCCGAGATTGATACCGTGGGAACGGCGCCCTCTCACCGATCTCGGTACC
CTGGAACCCCGGAGCCGCATCTTGTGACAGACGGACCCAGCATCACCATCACCTCCACCACAGCCAAC
AGCCGCCGCCACCATCCGCGGTCCCGCGCAAAGTTTGCAGCCTTCGCCCAACAGCAACCGCCGCCGCA
GCCGAGTCAGCAGCCAGCAGCTGGGCTCGGCCGCCGCGCCCGCCAGGACTTCCACCTCTCTTTTTTA
ATTAAGGACATCTTGGGAGACAGCAAACCCCTGGCGGCTTGTGCACCCTACAGCACCAGCGTTTCTCTC
CTCATCACACCCGAAGCAGGAGAGCAACCGCGCACAGAGACTTCAGGCCAAAGCTTGAGCAGGAGGA
CGGCAAAACCAAGCTGGACAAGAGAGAAGACCCCGAGAGCGACATCAAATGCCACGGAACAAAGGAGGAA
GGAGACCGGGAGATTACAAGTAGCCGAGAGAGTCCCCCGTGAGAGCCAAGAACTCGAAAGGCCAGGA
CAGTTTCTCAGACCACCAGCTCAACCAGCTGGAGCGTAGCTTTGAGCGGCAGAAGTACCTAAGTGTTCA
GGACCGAATGGACCTGGCGGCCGCACTCAACCTCACTGACACCCAAGTCAAGACCTGGTACCAGAACC
AGAACAAGTGGAAAGCGGCAGACTGCAGTGGCCCTGGAGCTGCTAGCCGAGGCCGGAACACTCCGCGC
TGCAAGGATGTTTCCGTCGCCTTATTTCTATACCCAAGCCTGCTGGGAGCATGGACAGCACCCAGCGC
GGCGGGCGCGGCCGCGGCATGTACAGCAGCATGTACCGAACTCTCCAGCACCTCATCCGAGCTGCAG
CGGCCGCTGGTACCCCGCTGCTCATCCAGGCCTGGGCCTGGGGACAGCCGGCCCTCAACCTTTGT
CCAACCCATCCCAGGCACCCCGCATCCCGG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205994 representing NM_001005477
 Red=Cloning site Green=Tags(s)

MTAMEGASGSSFGIDTILSGAGSGSPGMMNGDFRSLGEARTTDFRSQATPSPCSEIDTVGTAPSSPISVT
 LEPPPEHLVTDGPQHHLHHSQQPPPSAVPAQSLQSPQQQPPQPQSAQQLGSAAPRTSTSSFL
 IKDILGDSKPLAACAPYSTSVSSPHHTPKQESNAAHESFRPKLEQEDGKTKLDRKREDPQSDIKCHGKTEE
 GDREITSSRESPPVRAKKPRKARTAFSDHQLNQLERSFERQKYL SVQDRMDLAAALNLTDTQVKTWYQNR
 RTKWKRQTAVGLELLAEAGNYSALQRMFSPYFYHPSLLGSMDDSTAAAAAAAMYSMYRTPPAPHPQLQ
 RPLVPRVLIHGLPGGQPALNPLSNPIGTPHPR

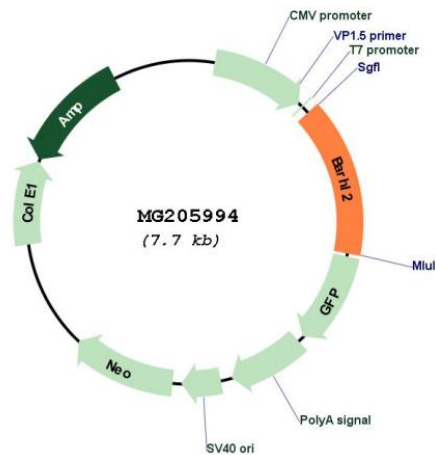
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001005477

ORF Size:	1152 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_001005477.1 , NP_001005477.1
RefSeq Size:	2329 bp
RefSeq ORF:	1155 bp
Locus ID:	104382
UniProt ID:	Q8VIB5
Cytogenetics:	5 E5
Gene Summary:	Potential regulator of neural basic helix-loop-helix genes. It may down-regulate expression of ASCL1 and, within the thalamus, up-regulate NGN2, thereby regulating distinct patterns of neuronal differentiation (By similarity).[UniProtKB/Swiss-Prot Function]