

Product datasheet for **MG206468**

Bhlhe40 (NM_011498) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bhlhe40 (NM_011498) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Bhlhe40
Synonyms: Bhlhb2; C130042M06Rik; Clast5; CR8; Dec1; Sharp2; Stra13; Stra14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206468 representing NM_011498
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGAACGGATCCCCAGCGCGCAACCACCTCCTACCTGCCTGCCAAAGCTCCAGGGCTGGAGCACGGAG
 ACCTGTCAGGGATGGATTTTGCCACATGTACCAAGTGTACAAGTCCAGGCGGGGAATAAACCGGAGCGA
 AGACAGCAAGGAACTTACAACTGCCGACCGGCTGATTGAGAAAAAGAGACGTGACCGGATTAACGAG
 TGCATTGCCAGCTGAAGGATCTCCTACCCGAACATCTCAACTTACTACTTTGGGTCACTTGGAAAAAG
 CAGTGGTTCTGGAGCTTACGTTGAAGCAGTGAAAGCATTGACAAATCTAATTGATCAGCAGCAGCAGAA
 AATCATTGCCCTGCAGAGCGGTTTACAAGCTGGTGATTTGTCCGGAAGAAATCTCGAGGCAGGGCAAGAA
 ATGTTCTGCTCAGGTTTCCAGACTTGTGCCGTGAGGTAATCAGTACCTGGCGAAGCATGAGAACA
 GGGACCTGAAATCTCCAGCTCGTCACTCATCTCCATCGTGTGGTCTCCGAGCTGCTGCAGGGTGGTGC
 TTCCAGGAAACATTGGACTCGGCTCCCAAAGCCGTGGACTTGAAAGAGAAGCCAGCTTCTAGCCAAG
 GGATCAGAAGGCCCTGGGAAAACTGTGTGCCAGTCATCCAGCGGACTTTTGTCCCTCGGGTGGGAGC
 AGAGCGGCAGTGACACGGACACAGACAGTGGCTATGGAGGTGAATTGGAGAAGGGGGACTTGCGCAGTGA
 GCAGCCGTACTTCAAAGCGACCATGGACGCAGGTTCCCGTGGGAGAACGTGTGACACAATTAAGCAA
 GAATCCGAAGAGCCCCACAAAAAGAGCCGAATGCAGCTCTCAGAAGAGGAAGGCCACTTCGCGGGCA
 GTGATCTGATGGGTTCCCATTTCTTGGGCCACACCACATCAGCCTCCTTTTGCCTTCCCTTCTATCT
 CATCCACCATCGGCCACTGCCTACCTGCCTATGCTGGAGAAATGCTGGTACCCACCTCTGTGCCAGTG
 TTATACCCAGGCCTCAACACCTCAGCTGCAGCCCTCTCCAGTTCATGAACCCAGACAAGATACCGACTC
 CTTGCTTCTGCCCCAGAGACTCCCTTCTCCTTTGGCACATTCGTCCTCGACTTTCGGCCTTGTCCA
 GGCTTTGAAGCAGATCCCTCCTTAACTTAGAAACCAAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >MG206468 representing NM_011498
 Red=Cloning site Green=Tags(s)

MERIPSAQPPPTCLPKAPGLEHGDL SGMDFAHMYQVYKSRRGIKRSSEDSKETYKLPHRLIEKRRDRINE
 CIAQLKDLLPEHLKLTTLGHLEKAVVLELTLKHVKALTNLIDQQQKIIALQSGLQAGDL SGRNLEAGQE
 MFCSGFQTCAREVLQYLAKHENTRDLKSSQLVTHLHRVSELLQGGASRKPLDSAPKAVDLKEKPSFLAK
 GSEGPKNKCVPIQRTFAPSGGEQSGSDTDTDSGYGGELEKGLRSEQPYFKSDHGRRF AVGERVSTIKQ
 ESEEPPTKSRMQLSEEEGHFAGSDLMGSPFLGPHHPFCLPFYLIPPSATAYLPMLEKCWYPTSPVY
 LYPGLNTSAAALSSFMPNDKIPTPLLLPQRLPSPLAHSSLDSSALLQALKQIPPLNLETKD

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2163_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011498

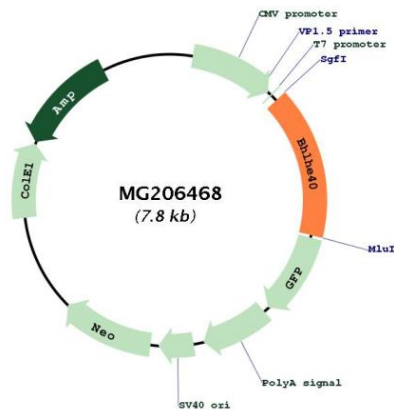
ORF Size: 1233 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_011498.4</u>
RefSeq Size:	3114 bp
RefSeq ORF:	1236 bp
Locus ID:	20893
UniProt ID:	<u>O35185</u>
Cytogenetics:	6 E2
Gene Summary:	This gene encodes a basic helix-loop-helix protein expressed in various tissues. The encoded protein can interact with Arntl or compete for E-box binding sites in the promoter of Per1 and repress Clock/Arntl's transactivation of Per1. This gene is believed to be involved in the control of circadian rhythm and cell differentiation. [provided by RefSeq, Feb 2014]

Product images:



Circular map for MG206468