

Product datasheet for MC211916

Bhlhe41 (NM_024469) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bhlhe41 (NM_024469) Mouse Untagged Clone
Tag: Tag Free
Symbol: Bhlhe41
Synonyms: 6430520M22Rik; Bhlhb; Bhlhb2l; Bhlhb3; DEC2; Sh; Sharp1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211916 representing NM_024469
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGAAGGAATCCCTCATTGCAAGAGAGACAGTTACTGGAACATAGGGATTTATAGGACTGGACT
 ATTCCTCTTTGTATATGTGTAACCCAAAAGGAGCTTGAAGCGAGACGATACCAAGGATACCTACAAGTT
 ACCGCACAGATTAATAGAAAAGAAGAGACGAGACCGAATTAATGAATGCATTGCTCAGCTGAAAGATTTA
 CTGCCCGAACATCTGAAATTGACAACACTGGGGCATTGGAGAAAAGCAGTAGCTTGGAAATTAACCTTAA
 AGCACTTGAAAGCGCTAACAGCCTTAAGTGAAGCAGCATCAGAAGATAATTGCTTTACAGAATGGGGA
 GCGCTCTCTGAAATCGCCGGTCCAGGCCGACTGGATGCGTTCCACTCGGGGTTTCAAACCTGCGCCAAA
 GAAGTCTTGCAATACCTCGCGCGCTTTGAGAGCTGGACACCCAGGGAGCCGCGCTGCGCACAGCTCGTCA
 GCCACCTGCATGCCGTGGCCACCCAGCTCCTGACGCCACAGGTGCCCTCCGGCAGGGGCTCTGGGCGCGC
 GCCCTGCAGCGCGGGGGCTGCGGCCGCTCGGGTCCCAGCGCGTCCGCCGCTGCGTCCCGGTATCCAG
 CGGACTCAGCCCGGCACGGAGCCGGAACACGACACCGGACACCGAGCGGCTACGGAGGCGAGGCGGAGC
 AGGGCCGCGCGGGCTCAAGCAGGAGCCACCCGGGGACTCGTCCGCTGCGCCCAAGAGCCGAAGCTGGA
 GCGCGCGCGCGCTCCTGGGCCGAGCCCGCGCTGCTCGGCTCGCTGCGCGCTTGGCGGGGGCGCG
 CCTTCGCGCAGCCGCTGCCGCGCCCTTCTGCCTGCCCTTCTATCTGCTGTGCGCGTCCGCCGCCGCT
 ACGTACAGCCCTGGCTAGACAAGAGCGGCTGGACAAGTATCTGTACCCCGCGGGCGCGCCCTTCCC
 GCTGCTGTATCCCGCATCCCAGCAGCGGCGCGCTGCTGCTGCCGCGCTTCCCTTGTCTGCTGCTC
 GTGCTGTGCCACCCCGGAGAAGGCGGCGGACCGCCGCTGCCCGTCTGCGCACGAGGTGGCGC
 CCCCAGGGCGCTGCGCCCCAGCAGCGCATAGCCGACCCACCTGCCGCGGCTGTGAACCCGGAGAG
 CTCTCAGGAAGATGCCACGACCGCCAAAGACGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_024469
Insert Size:	1233 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_024469.2 , NP_077789.1
RefSeq Size:	5995 bp
RefSeq ORF:	1233 bp
Locus ID:	79362
UniProt ID:	Q99PV5
Cytogenetics:	6 77.7 cM
Gene Summary:	<p>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. Defects in this gene are associated with the short sleep phenotype. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>