

Product datasheet for MC208962

Bhlha15 (NM_010800) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bhlha15 (NM_010800) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bhlha15
Synonyms:	1810009C13Rik; Bhlhb8; MIST-1; Mist1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208962 representing NM_010800 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACCAAAACCGGCCCTCGGCGCCGAACACCCATGCAGGACACAGAAGCCACCCAGGAGAGC
 AGACACCTGACAGACCCAGTCAGGCTCAGGGGGGTGAGAGCTGACAAAGGGTCTCCGGAGCAGGACAGC
 GCGTGCAAGCGGAGGTCGGGAGAGGTGAGCCGCCGACAGGGGTCTGGTGGCCGAGGAGAACAGT
 GTTCAGAGGCGGCTGGAGAGCAATGAGCGAGAGAGGCAGCGGATGCATAAACTCAACAATGCCTTCAGG
 CACTGCGCGAGGTCATCCCGCACGTGCGGGCTGACAAGAAGCTCTCCAAGATCGAGACCTCACGCTGGC
 CAAGAAGTATATCAAGTCGCTGACCGCCACCATACTTACTATGTCCAGCAGCCGCCTCCCGGGGCTGGAG
 GCACAGGTCCTGCGCCAGGCCCTAAATTATACCAGCACTACCATCACCAGCAGCAGCAACAGCAGCAGC
 AGCAGCAGGTAGCTGGGGCCATGCTTGGTGTCACTGAGGACCAGCCCCAAGGCCACCTGCAACGCTACTC
 TACACAGATCCACAGCTTCAGAGAGGGGAGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja3178_a05.zip
Restriction Sites:	SgfI-MluI
ACCN:	NM_010800
Insert Size:	594 bp


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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:	<u>NM_010800.4</u> , <u>NP_034930.1</u>
RefSeq Size:	3494 bp
RefSeq ORF:	594 bp
Locus ID:	17341
UniProt ID:	<u>Q9QYC3</u>
Cytogenetics:	5 G2
Gene Summary:	Plays a role in controlling the transcriptional activity of MyoD, ensuring that expanding myoblast populations remain undifferentiated (PubMed:17612490). Repression may occur through muscle-specific E-box occupancy by homodimers. May also negatively regulate bHLH-mediated transcription through an N-terminal repressor domain. Serves as a key regulator of acinar cell function, stability, and identity. Also required for normal organelle localization in exocrine cells and for mitochondrial calcium ion transport. May function as a unique regulator of gene expression in several different embryonic and postnatal cell lineages. Binds to the E-box consensus sequence 5'-CANNTG-3'. [UniProtKB/Swiss-Prot Function]