

Product datasheet for **MC203186**

Blmh (NM_178645) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Blmh (NM_178645) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Blmh
Synonyms:	AI035728; Bh; Bmh
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC027403
 CCGACGCGTGGGCTTCCGGCGCTTAGGGTGCAGAACCCAGGTCCGGCCAGCTAGGCAGCGGACTGTAGTG
 TAACCCAGAGCTCACCTGAAAACCTGAAAACCTAACGTTTCTCCAGCAAGCAGTTTGGGCGCCATGAA
 CAACGCAGGACTAAATTCGGAGAAGGTATCTGCTTTGATCCAGAACTAAATTTGACCCCTCAGTTTCGTA
 CTTGCCAGAATGTCGGGACCACCCACGATCTGCTGGACATATGTCTGAGGAGGGCCACGGTCCAGGGTG
 CTCAGCATGTGTTTCAACACGTTGTGCCCTCAGGAAGGCCAGTCACCAACCAGAAAGAGCTCTGGACG
 ATGCTGGATCTTTTCTGTTTGAATGTTATGAGACTTCCATTTCATGAAAAATTTAACATTGAAGAATTT
 GAGTTTAGTCAATCTTACCTGTTTTTTTTGGGACAAGGTTGAACGCTGTTATTTCTTCTTGAATGCTTTTG
 TGGACACAGCTCAGAAAAAGGAGCCTGAAGATGGGAGACTGGTGCAGTATTTGCTTATGAACCTACAAA
 TGATGGTGGACAGTGGGATATGCTTGTCAATATTGTTGAAAAATACGGTGTGTTCTTAAGAAATGCTTT
 CCCGAATCGCATACGACAGAGGCTACCAGAAGAATGAATGATATTCTGAATCACAAGATGAGAGAATTCT
 GTATACGGCTTCGGAACCTGGTACACAGTGGAGCCACCAAGGGGAGATCTCATACACAAGATGCCAT
 GATGGAGGAGATATTAGAGTGGTGTGCATCTGTTTGGGCAACCCACCAGAGACCTTCACCTGGGAGTAC
 CGAGACAAAGATAAAAAATTACCACAAGATTGGCCCATAACACCCTTGACGTTTTACAAGGAGCAGTGGA
 AGCCGCTCTTCAATATGGAAGATAAGATTTGTTTTGTAATGACCCACGGCCCGCAGCACAAGTACAATAA
 ATTGTACACAGTACTTACTTGAGCAATATGGTTGGAGGGAGAAAAACGCTGTATAACAACCAGCCATT
 GACTTCTTGA AAAAGATGGTTGCTGCCTCCATCAAGATGGAGAGGCTGTGTGGTTTGGCTGTGATGTTG
 GAAAACTTCAATGGCAAGCTGGGCTCAGTGACATGAATGTCTATGACCATGAGTTAGTTCGGTGT
 CTCCTTGAAGAACATGAATAAAGCTGAGAGGTTGGCCTTTGGTGAAGTCACTCATGACCCACGCCATGACC
 TTCCTGCTGTCTCAGAGAAGGATAATCAGGAAGTACTTTTGTGAAATGGAGAGTAGAGAATTCATGGG
 GTGAAGACCACGGCCACAAAGGCTACCTGTGCATGACCGATGAGTGGTCTCGGAGTACGTCTACGAGGT
 GGTGGTGGACAAGAAGCATGTCCAGAAGAGGTGCTGGCTGTGTTAGAGCAGGAGCCATTGCTCCTGCCG
 GCATGGGACCCCATGGGGCTTTGGCTGAGTGATTGCGTGGACTGCCTCCTGCTCCTCCTCCATGCGG
 ATCGGATGGAGCTGCCAAGGACAGACCCGGGACTGAAACCAAAGTTACATGGATGGCTGTTCCACAGG
 ATACAGTCAGACTCTGGGTTTCCAGTCTCCTCCAGAACCTCTTTGAGAAAAATGCTTTATGCTGAAAC
 AAAATATTATAAAGGAAAAAATAAGGGGAAGGATCGGGGCATCCTGTTGCTCCTCATCTCTGACGG
 CTCAGGATCTCGTAGCATTTTAATTGGATGTCATTGTCTCTGTCACAGTCTTTGTGTTGTAGTAAGAC
 GGAGTAAGATGAGCAGCTGAGGTGTACGGAGAACAACAGTCTGGGCTCCTTGTCTAGAGTAGATTA
 GGGGAGGGTTAGCTAGGATTTGAACTCTCAACGCTGCATGCTGCCTCACAGGTCACTGCTCCTTCTACCT
 GGCAGTCGCTGAATTCAGCTTCTGCCGAGTTGTTTCTGTGACAGGAAAGGGAGGTTGATCGGTCTGAG
 ATGACTCTTCTCTTCTGGTCTGAGCTGTGGGCTCCCTCGGGCCAGGTTAAACGGGGTTCGAGAAAAAC
 CTTGTACGGGGCTCAGCTGTAATCACGAGGGTCACCCACTGAGTGCTTTAATGTCTGTGTGCGTTGGGGT
 TGGCGGGGAGAGGCAGCGATGCTCGTTCTTTCTGATAACTGATGGTGTGAGAAGCTTTGGAATAAAAC
 CCTTTGCTAACTGAGAAAAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_178645

Insert Size: 1368 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:

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: [BC027403](#), [AAH27403](#)

RefSeq Size: 2271 bp

RefSeq ORF: 1368 bp

Locus ID: 104184

UniProt ID: [Q8R016](#)

Cytogenetics: 11 B5

Gene Summary: The encoded protein is a cytoplasmic cysteine peptidase involved in inactivation of bleomycin, a glycopeptide which is a component of combination chemotherapy regimens for cancer. This encoded enzyme is highly conserved, and it contains the signature active site residues of cysteine protease papain superfamily enzymes. It is postulated that this enzyme has protective effects against bleomycin-induced pulmonary fibrosis and bleomycin tumor resistance. [provided by RefSeq, Jan 2010]