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Product datasheet for SC320216

BLMH (NM_000386) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BLMH (NM_000386) Human Untagged Clone
Tag:	Tag Free
Symbol:	BLMH
Synonyms:	BH; BMH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_000386.2
GACAGGTCGGGCCCCCTAGGCAGCGAGCCGCAGCGCAATCCCGGCGCTCGCCCAAGGACC
CTGGAAGCTACCGTTACCCCGCCGGGCAGCGTGGGCGCCATGAGCAGCTCGGGACTGAAT
TCGGAGAAGGTAGCTGCTCTGATACAGAAACTGAATTCCGACCCCCAGTTCGTACTTGCC
CAGAATGTCGGGACCACCCACGACCTGCTGGACATCTGTCTGAAGCGGGCCACGGTGCAG
CGCGCGCAGCATGTGTTCCAGCACGCCGTGCCCCAGGAGGGCAAGCCAATCACCAACCAG
AAGAGCTCAGGGCGATGCTGGATCTTTTCTTGTCTGAATGTTATGAGGCTTCCATTCATG
AAAAAGTTAAATATTGAAGAATTTGAGTTTAGCCAATCTTACCTGTTTTTTTGGGACAAG
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GAGGATGGGAGGCTGGTGCAGTTTTTGCTTATGAACCCTGCAAATGATGGTGGCCAATGG
GATATGCTTGTTAATATTGTTGAAAAATATGGTGTTATCCCTAAGAAATGCTTCCCTGAA
TCTTATACAACAGAGGCAACCAGAAGGATGAATGATATTCTGAATCACAAGATGAGAGAA
TTCTGTATACGACTGCGGAACCTGGTACACAGTGGAGCAACCAAAGGAGAAATCTCGGCC
ACACAGGACGTCATGATGGAGGAGATATTCCGAGTGGTGTGCATCTGTTTGGGTAATCCA
CCAGAGACATTCACCTGGGAATATCGAGACAAAGATAAAAATTATCAGAAAATTGGCCCC
ATAACACCCTTGGAGTTTTACAGGGAACATGTCAAGCCACTCTTCAATATGGAAGATAAG
ATTTGTTTAGTGAATGACCCTAGGCCCCAGCACAAGTACAACAAACTTTACACAGTGGAA
TACTTAAGCAATATGGTTGGAGGGAGAAAAACTCTATACAACAACCAGCCCATTGACTTC
CTGAAAAAGATGGTTGCTGCCTCCATCAAAGATGGAGAGGCTGTGTGGTTTGGCTGTGAT
GTTGGAAAACACTTCAATAGCAAGCTGGGCCTCAGTGACATGAATCTCTATGACCATGAG
TTAGTGTTTGGTGTCTCCTTGAAGAACATGAATAAAGCGGAGAGGCTGACTTTTGGTGAG
TCACTTATGACCCACGCCATGACCTTCACTGCTGTCTCAGAGAAGGATGATCAGGATGGT
GCTTTCACAAAATGGAGAGTGGAGAATTCATGGGGTGAAGACCATGGCCACAAAGGTTAC
CTGTGCATGACAGATGAGTGGTTCTCTGAGTATGTCTACGAAGTGGTGGTGGACAGGAAG
CATGTCCCTGAAGAGGTGCTAGCTGTGTTAGAGCAGGAACCCATTATCCTGCCAGCATGG
GACCCCATGGGAGCTTTGGCTGAGTGATACTGCCCTCCAGCTCTTTCCTCCTTCCATGGA
ACCTGACGTAGCTGCAAAGGACAGATCCAGGGACTGAAGCCAAAGTTATGCAAGGGACTG
TGTGTTGCCACAGGACACAGTCAGATTTCCAGTCTCCACCAGGAACCTCTTCAGAAAGTG
TGCTTTATGCTGAAACAGAATACTGTTAAAGGAAAAAAAAGAGGGGGGAAGATCAGGTCA
TACTATCTACTCTCCTCATCTCTAACAGCTCAGGATCTCTTAGCATTTTAATTAGATGTA
ATTGTTTGTCTTTAACTGTCAAAAAGTTTGGTTCTGTGTCTGTGTTTTAATAAGACGAGA
GGACGAGCGATTGAGGTGTATGGAGAGAAAACAGACCTAATGCTCCTTGTTCCTAGAGTA
GAGTGGAGGGAGGGTGGCCTAAGAGTTGAGCTCTCGGAACTGCATGCTGCTGGACAGTAT
CACTGTCTTTCCTAGATGGCAGTCACTGAATTCCATTTTTTCAAGGTAATTTCTTGTGCC
TCTAATAGCCCAAGAATGGGAGGTTGATCAGATCTGACATGATTCCTTCCTGTTCTGAAC
TGTGGGGTGTGCACATCTCTGCTTGAGTCAGGTTTGAGTAGAGGCTTAGAGACAGTTGGG
TGAGAACAACCAAAATCTTATCATGGTCTCAGTCATAATCATTAGGGGGAACTCTAGCCA
AATGGTTTAACTTCTGCCTGTGGAACTGGGGATTGGGTGGGCAGGAAAAGGTGATATCCA
TTCTTTCTGATAACTAGATGGTGCTGAGAAGCTTTTGAATAAAAACTTTGCTAAATGAGA
AAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_000386

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_000386.2, NP_000377.1
RefSeq Size:	2417 bp
RefSeq ORF:	1368 bp
Locus ID:	642
UniProt ID:	Q13867
Cytogenetics:	17q11.2
Domains:	Pept_C1-like
Protein Families:	Druggable Genome, Protease
Gene Summary:	Bleomycin hydrolase (BMH) is a cytoplasmic cysteine peptidase that is highly conserved through evolution; however, the only known activity of the enzyme is metabolic inactivation of the glycopeptide bleomycin (BLM), an essential component of combination chemotherapy regimens for cancer. The protein contains the signature active site residues of the cysteine protease papain superfamily. [provided by RefSeq, Jul 2008]