

Product datasheet for **SC326723**

H2BW2 (NM_001164416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2BW2 (NM_001164416) Human Untagged Clone
Tag:	Tag Free
Symbol:	H2BW2
Synonyms:	H2BFM; H2BM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326723 representing NM_001164416. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCGCTGCTCCGCCATGGCTGAGGCTTCTCTGAGACAACCTCGGAGGAAGGCCAGAGCATCCAG
GAGCCAAAGAGGCCAACTCCACGAAGGCCAGAACGAGAAGAGGCGAGGGTGCCGAGGCTCCCGCAGG
CGCCACGCCAACCGCGTGGGGACAGCTTCGGGGACAGCTTCACCCCTATTTCCCCGGGTGCTGAAG
CAGGTTACCAGGGCCTCAGCCTTTCCAGGAGGCCGTGAGTGTCATGGATTCTATGATCCATGACATA
TTGGACCGCATCGCCACCGAGGCTGGTCAGCTGGCCATTACACCAAGCGGTGACCATCACCTCCCGG
GACATCCAGATGGCCGTGCGACTGCTGCTGCCGGGAAGATGGGCAAGCTCGCCGAGGCCAGGGCAGC
AATGCCGCCCTCAGAACTTCATTATGTGCGATATGGCAACAGAGAAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001164416
Insert Size:	465 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).



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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:	<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_001164416.1
RefSeq Size:	1893 bp
RefSeq ORF:	465 bp
Locus ID:	286436
UniProt ID:	P0C1H6
Cytogenetics:	Xq22.2
Protein Pathways:	Systemic lupus erythematosus
MW:	17 kDa
Gene Summary:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is a member of the H2B histone family. [provided by RefSeq, Nov 2015]