

Product datasheet for **SC303698**

CHD3 (NM_005852) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHD3 (NM_005852) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHD3
Synonyms:	Mi-2a; Mi2-ALPHA; SNIBCPS; ZFH
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005852, the custom clone sequence may differ by one or more nucleotides

```

ATGAAGGCGGCAGACACTGTGATCCTGTGGCAAGAAGTAAAAATGACCAGCTGAGGATT
TCTTTTCTCCAGGACTGTGTTGGGGTACAGGATGCCTGATAAGGATGACATTCGGCTG
CTGCCGTGAGCATTGGGTGTGAAGAAGAGAAAACGAGGACCCAAGAAGCAGAAGGAGAAC
AAGCCAGGAAAACCCGAAAACGCAAGAAGCGTGACAGTGAGGAGGAATTTGGTTCTGAG
CGAGATGAGTACCGGGAGAAGTCAAGAGTGGGGCAGTGAATATGGAACCGGACCGGT
CGGAAACGAAGAAGGACCCGAGAAAAAAGGAGAAGAAGACAAGCGCGGAAAAAAG
GGGGAGGAGATGGGGGCAAAAGCAAGTGAACAGAAGTCAACGCAACTCTGCTTCTG
ACCTGGGGCCTGGAGGATGTGGAGCATGTGTTCTCTGAGGAGGATTACCACACGCTCACC
AACTACAAGCCTTCAGCCAGTTCATGAGGCCCTAATTGCTAAGAAGAATCCTAAGATC
CCAATGTCTAAGATGATGACCATCCTTGGGGCCAAATGGAGAGAGTTCAGTGCCAACAAC
CCCTTCAAGGGGTGAGCAGCTGTGTGGCGGGCAGCGGCAGCAGCAGCAGCAGCTGTA
GCTGAGCAGGTGTGAGCTGTGTCTCGTCGGCCACCCCATAGCACCTCCGGACCCCC
GCCCTTCCACCACCCCTGCTGTGATATCCAGCCCCACCCATCCGAAGAGCCAAAACC
AAAGAGGGCAAAGTCCAGGCCATAAGAGGCGGAGTAAGAGCCCCGAGTGCCTGATGGA
CGCAAGAAGCTTCGGGGAAAGAAAATGGCACCACTCAAAATAAACTAGGGCTTCTGGGT
GGCAAGAGGAAGAAAGGAGGCTCGTATGTTTTTCAGAGCGACGAAGGTCCTGAACCAGAG
GCTGAGGAATCAGACCTGGACAGTGGCAGTGTCCACAGTGCCTCAGGCCGGCCTGATGGC
CCTGTCCGCACCAAGAACTAAAGAGAGGCCGGCCAGGAAGGAAGAAGAAGGTCCTG
GGCTGTCTGAGTGGCCGGGAGGAGGTTGATGGCTACGAGACGGATCACCAGGAT
TACTGTGAGGTGTGCCAGAGGGTGGGAAATTTCTGTGTGACACCTGCCCTCGTGCC
TACCACCTCGTGCCTTGATCCTGAGCTTGACCGGGCTCCAGAGGGCAAATGGAGCTGC
CCTCACTGTGAGAAGGAGGGGTCCAGTGGGAGGCCAAGGAGGAAGAAGAAGAATACGAA
GAGGAGGGAGAGGAAGAAGGGGAGAAGGAGGAGGAGGATGATCACATGGAGTACTGCCGC
GTATGCAAGGACGGCGGGGAGCTCCTGTGCTGTGACGCGTGCATCTCCTCTACCACATT
CATTGTCTAAACCTCCCTGCCTGACATTCCTAATGGTGAATGGCTGTGTCCTCCGATGC
ACATGCCCCGTGCTGAAGGGTCGAGTGCAGAAGATCCTACATTGGCGGTGGGGGGAGCCA
CCTGTAGCAGTGCAGCCCTCAACAGGCAGATGGAAAATCCAGATGTCCACCCCCCGT
CCTCTTCAAGGCAGATCAGAGCGAGAGTTCTTTGTCAAGTGGGTAGGACTATCCTACTGG
CACTGCTCCTGGGCCAAGGAGCTCAGCTGGAAATCTTCCATTTGGTTATGTATCGAAAC

```



[View online >](#)

TACCAGCGGAAGAATGACATGGATGAGCCCCACCCCTGGACTATGGCTCCGGCGAGGAT
 GATGGGAAGAGCGACAAGCGTAAAGTGAAGACCCGCACTATGCTGAGATGGAGGAGAAG
 TACTATCGTTTTGGCATCAAGCCAGAGTGGATGACCGTCCACCGCATCATCAACCACAGT
 GTGGATAAAAAGGGGAATTACCACTATCTAGTAAAATGGAGGGACTTACCATATGACCAG
 TCCACGTGGGAGGAAGATGAAATGAATATCCCTGAATACGAAGAACATAAGCAAAGCTAC
 TGGAGACACCGAGAACTAATTATGGGGGAAGACCCTGCCAGCCCCGCAAGTATAAGAAG
 AAGAAGAAGGAGCTACAGGGTGATGGGCCTCCCAGTTCTCCCACTAATGATCCTACCGTG
 AAATATGAGACTCAGCCACGGTTTTATCACAGCCACTGGAGGCACCCTGCACATGTATCAG
 TTGGAAGGGCTGAACTGGCTACGCTTCTCTGGGCCAGGGCACTGACACCATTCTAGCT
 GATGAGATGGGGCTAGGCAAGACCATAAAACCATCGTCTTCTCTACTACTCTACAAG
 GAGGGCCACACAAAAGTCCCTTCTGGTGAGTGCCCACTCTCTACCATCATTAACTGG
 GAGCGGGAGTTCCAGATGTGGGCACCAAATTCTATGTGGTGACATACACGGGTGACAAG
 GACAGCCGGGCCATCATTCTGAGAATGAATTCTCTTTGAGGACAATGCCATCAAAGGG
 GGCAAGAAAGCTTTTAAGATGAAGAGGGAGGCACAGGTGAAGTTCATGTTCTCCTGACA
 TCGTATGAGCTGATCACCATTGATCAGGCAGCACTTGGTTCATCCGCTGGGCCTGTCTT
 GTGGTAGATGAGGCCATCGACTCAAGAACAACCAAGTCCAAGTTTTTCAGGGTCTCAAT
 GGTACAAGATAGATCATAAGTTGCTGCTGACAGGAACCCATTGCAGAATAATCTGGAG
 GAGCTCTTCCATCTCTGAACTTCTCACCCAGAGAGATTTAACAACTTGGAGGGCTTC
 CTGGAGGAGTTTGTGACATATCCAAAGAGGACCAGATCAAGAACTGCATGATTTGCTG
 GGGCCACACATGCTGCGGAGACTCAAGGCAGATGTCTTTAAGAACATGCCAGCCAAGACA
 GAGCTCATCGTTCGGGTGGAGCTAAGCCCCATGCAGAAGAACTACTACAAATACATCCTG
 ACTCGAAATTTTGGAGCCTTGAATTCACGAGGTGGTGGGAACCAAGTTCGCTGCTTAAT
 ATCATGATGGATCTTAAGAAGTGTGCAACCATCCATACTTTTTCCCGTGGCTGCTATG
 GAGTCCCCCAAACCTCCCCAGTGGGGCTTATGAGGGTGGGGCACTTATTAAGTCGTCTGGG
 AAGCTCATGCTGCTCCAGAAGATGCTGCGAAAGCTGAAGGAGCAAGGACACCGAGTGCTC
 ATCTTCTCGCAGATGACCAAAATGTTAGACTTGCTTGGAGACTTCTTAGACTATGAAGGC
 TACAAGTATGAGCGCATCGATGGTGGTATCACGGGTGCCCTGAGGCAGGAGGCCATCGAT
 CGGTTTTAATGCTCCTGGGGCCCAACAATTCTGCTTCTCCTGTCCACCCGAGCTGGGGGC
 CTGGGCATCAATCTGGCCACTGCTGACTGTGATCATCTTTGATTCTGACTGGAACCC
 CATAATGACATCCAGGCCTTAGCCGGGCTCATCGGATTGGCCAGGCCAACAAAGTGATG
 ATTTACCGGTTTTGTGACTCGCGCTCAGTGAAGAGCGAATCACACAAGTGGCCAAGAGA
 AAGATGATGCTGACACACCTGGTTGTGCGGCCTGGGCTGGGCTCCAAGGCAGGCTCCATG
 TCCAAGCAGGAGCTTGACGACATTCTCAAATTTGGCACTGAAGAGCTATTCAGGATGAA
 AACGAGGGGGAGAACAAGGAGGAGGACAGCAGTGTGATTCATTATGACAATGAGGCCATC
 GCTCGGCTGTTGGACCGGAACCAGGATGCAACTGAGGACACTGACGTGCAGAACATGAAT
 GAGTATCTCAGCTCCTTCAAGGTGGCACAGTACGTGTCGCGGGAAGAAGACAAGATTGAG
 GAAATTGAGCGAGAGATCATCAAGCAGGAGGAGAATGTGGACCCTGACTACTGGGAGAAG
 CTGCTGAGGCATCACTATGAGCAACAGCAGGAAGACCTAGCCCGAATCTAGGCAAGGGC
 AAGCGGGTTCGCAAGCAAGTTAACTACAATGATGCTGCTCAGGAAGACCAAGACAACAG
 TCAGAGTACTCGTGGGTTTCAGAGGAGGAGGATGAAGACTTCGATGAACGTCCTGAAGGG
 CGTAGACAGTCAAAGAGGCGACTCCGGAATGAGAAAGATAAGCCACTGCCTCCACTGCTG
 GCCCGAGTCGGGGCAACATTGAGGTGCTGGGCTTCAACACCCGTGAGCGGAAGGCTTTC
 CTCAATGCTGTGATGCGCTGGGGATGCCACCACAGGATGCCTTACCACACAGTGGCTG
 GTGCGGGACCTGAGGGGCAAGACTGAGAAGGAGTTTAAAGGCTATGTGTCTTTGTTGATG
 CGCCATCTGTGTGAGCCTGGGGCAGACGGCTCTGAAACCTTTGCCGATGGGGTCCCTCGG
 GAGGGACTGAGTCGCCAGCAGGTGTTGACCCGCATTGGAGTCATGTCTCTCGTCAAAAAG
 AAGGTGCAGGAGTTTGTGACACATCAATGGGCGTTGGTCAATGCCGGAAGTATGCCTGAC
 CCCAGCGCGATTCTAAGCGCTCCTCCAGAGCCTCCTCTCTACCAAAAAGCTCTCCACC
 ACTCCTGAGGCTTCTGCTACCAACAGTCCCTGCACCTCTAAACCTGCTACTCCAGCTCCA
 AGTGAGAAAGGAGAAGGCATAAGGACACCTCTTGAGAAGGAGGAAGCTGAAAACCAGGAG
 GAAAAGCCAGAGAAGAAGCAGCAGAAATGGGGAGAAGATGGAGACAGAGGCTGATGCCCC
 AGCCAGCCCCATCACTTGGGGAGCGGCTGGAGCCAAGGAAGATTCTCTAGAGGATGAG

```

GTGCCAGGGGTGCCTGGAGAGATGGAGCCTGAACCTGGGTACCGTGGGGACAGAGAGAAG
TCAGAAGATGTAAAAGGTGACCGGGAGCTTCGACCAGGGCCTCGAGATGAGCCACGGTCC
AATGGGCGACGAGAGGAAAAGACAGAGAAGCCCGGTTTCATGTTCAATATCGCCGATGGT
GGCTTCACAGAGCTTCACACACTGTGGCAGAATGAGGAACGGGCAGCTATTTCTCGGGG
AAACTCAATGAGATCTGGCACAGAAGACATGACTATTGGCTTCTGGCTGGGATTGCTCCTC
CATGGCTATGCACGGTGGCAGGACATCCAGAATGATGCTCAATTTGCCATTATCAACGAG
CCATTTAAAAGTGAAGCCAATAAGGGGAACTTTCTGGAGATGAAAAATAAGTTCTGGCC
CGGAGGTTCAAGCTCCTGGAGCAGGCGCTGGTGATTGAGGAGCAGCTGCGGCGGGCGGCC
TACCTGAACCTGTGCGAGGAGCCGGCGCACCCCGCCATGGCCCTCCACGCCCGCTTCGCC
GAGGCCGAGTGCCTGGCCGAGAGCCACCAGCACCTCTCCAAGGAGTGCCTGGCGGGGAAC
AAGCCGGCAACGCCGTCTGCACAAGTTCTGAACCAGCTGGAGGAGTTGCTGAGCGAC
ATGAAGGCGGACGTGACCCGCTGCCAGCCAGCTGTCCCGAATACCCCCATCGCAGCC
CGCCTTCAGATGTCGAGCGCAGCATCCTCAGCCGGCTGGCCAGCAAGGGCACGGAGCCT
CACCCACACCGGCTACCCGCCGGTCCCTACGCTACACCTCCGGGGTACGGGGCGGCC
TTCAGCGCGCACCCGTAGGGGCCCTGGCCGCCGAGGCGCAATTACAGCCAGATGCTCCT
GCAGGGTCTTATCACAGCCGCCACCAACGGCCCTCCAGTGCTTGTGAAGAAGGAGAAG
GAAATGGTGGGGCATTGGTGTCAGACGGGCTGGATCGGAAGGAGCCCCGAGCCGGGGAG
GTGATCTGTATAGACGACTGA
    
```

Restriction Sites:	Please inquire
ACCN:	NM_005852
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:	<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_005852.2 , NP_005843.2
RefSeq Size:	6729 bp
RefSeq ORF:	5901 bp
Locus ID:	1107
UniProt ID:	Q12873
Cytogenetics:	17p13.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the CHD family of proteins which are characterized by the presence of chromo (chromatin organization modifier) domains and SNF2-related helicase/ATPase domains. This protein is one of the components of a histone deacetylase complex referred to as the Mi-2/NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Chromatin remodeling is essential for many processes including transcription. Autoantibodies against this protein are found in a subset of patients with dermatomyositis. Three alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' CDS, compared to variant 1. The resulting protein (isoform 2) is shorter, compared to isoform 1.