

## Product datasheet for **SC300878**

### CHD3 (NM\_001005273) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CHD3 (NM\_001005273) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CHD3  
**Synonyms:** Mi-2a; Mi2-ALPHA; SNIBCPS; ZFH  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL6  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001005273 edited  
 ATGAAGGCGGCAGACACTGTGATCCTGTGGGCAAGAAGTAAAAATGACCAGCTGAGGATT  
 TCTTTTCCCTCCAGGACTGTGTTGGGGTGACAGGATGCCTGATAAGGATGACATTCGGCTG  
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CCTGTAGCAGTGCCAGCCCCTCAACAGGCAGATGGAAATCCAGATGTCCCACCCCCCGT  
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TGA
    
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001005273
<b>Insert Size:</b>	7000 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_001005273.2.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001005273.1</a></u> , <u><a href="#">NP_001005273.1</a></u>
<b>RefSeq Size:</b>	6831 bp
<b>RefSeq ORF:</b>	6003 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 (1) represents the longest transcript. Variant 1 encodes isoform 1.