

Product datasheet for **SC309882**

CHD4 (NM_001273) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHD4 (NM_001273) Human Untagged Clone
Tag: Tag Free
Symbol: CHD4
Synonyms: CHD-4; Mi-2b; Mi2-BETA; SIHIWES
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001273, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCGGGCCTGGGCTCCCCGTCGCCCTGCTCGGCGGGCAGTGAGGAGGAGGATATG
GATGCACTTTTGAACAACAGCCTGCCCCACCCACCCAGAAAATGAAGAGGACCCAGAA
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GATGAGCCACCTTCTGGGGACTTTGGTGGTATGAAGAGAAAAGCCGAAAGCGAAAGAAC
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CCCGAACCTACCCACAGCAGGTAGCCAGCAGCAGTGA
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Restriction Sites:	Please inquire
ACCN:	NM_001273
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_001273.2 , NP_001264.2
RefSeq Size:	6511 bp
RefSeq ORF:	5739 bp
Locus ID:	1108
UniProt ID:	Q14839
Cytogenetics:	12p13.31
Domains:	SNF2_N, CHROMO, DEAD, helicase_C, PHD
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

The product of this gene belongs to the SNF2/RAD54 helicase family. It represents the main component of the nucleosome remodeling and deacetylase complex and plays an important role in epigenetic transcriptional repression. Patients with dermatomyositis develop antibodies against this protein. Somatic mutations in this gene are associated with serous endometrial tumors. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).