

Product datasheet for **SC338116**

CHD4 (NM_001297553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHD4 (NM_001297553) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHD4
Synonyms:	CHD-4; Mi-2b; Mi2-BETA; SIHIWES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001297553, the custom clone sequence may differ by one or more nucleotides

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TATGCCATCCTCAATGAGCCTTTCAAGGGTGAATGAACCGTGGCAATTTCTTAGAGATCAAGAATAAAT
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CATTGCCCGAATCCCCCAGTTGCTGTGAGGTTACAGATGTCAGAGCGTAACATTCTCAGCCGCTGGCA
AACCGGGCACCCGAACCTACCCACAGCAGGTAGCCAGCAGCAGTGA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001297553
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).
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_001297553.1 , NP_001284482.1
RefSeq Size:	6404 bp
RefSeq ORF:	5718 bp
Locus ID:	1108
UniProt ID:	Q14839
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>