

Product datasheet for **SC318739**

Chromodomain helicase DNA binding protein 9 (CHD9) (NM_025134) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Chromodomain helicase DNA binding protein 9
Synonyms:	AD013; CHD-9; CReMM; KISH2; PRIC320
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_025134, the custom clone sequence may differ by one or more nucleotides <pre> ATGACAGATCCAATGATGGACTTTTTGATGATGCCAATCTTTTTGGTGAGACCTTAGAA GGTTTGTGAGATGATGCAATTTGTACAACAGGACCTGTTTCACTAGTTGATGAATTGAAT TTGGGTGCAGAAATTTGAACCGTTGCACATAGATTCACTGAACCATGTTCAAGGTAAGTCCA ACACATCAGAAGATGACTGATTTGAACAGTTAAATCAATTTGATTCAATAAAATTTTAC CATGTTAATCAATCTTTTGGTAGCCAGCTGAACATGTGTTATCTCCACACTCTCAGTTT AATTGTTCTCCAATCCATCCCCAAAACCAACCAATGGTTTGTTCAGATGTATCAGAT GGCAGTCCAATGTGGGGCCATCAGACAGCTACTACCATTTCAAATCAAAATGGATCTCCT TTTCACCAACAAGGACATTCACACTCTATGCATCAAAATAAAAGCTTTGTGGCACACCAT GACTTTGCCTTATTTAGGCCAATGAACAACAACACAGTGTACTTCACTACGCTCACA CAAAACAGAAATAATCTCAACCCAGGGCAGAAATCTCTTAGCCAGTCTAAAAATTTTATG AATGTTTCTGGTCCACATAGAGTCAATGTTAACCACCCACCACAGATGACTAATGCATCT AATTCACAACAGTCTATTTCAATGCAGCAATTTTCTCAAACGTCAAATCCTTCAGCACAC TTCCACAAGGTAGCAGTCATCAAGAAGGAAATTTAATGGACCTTCCCCAAATATGACT TCTTGTCTGTGAGTAATTCACAGCAATTTTCTTCACATTATTCCTTTTCCAGTAATCAT ATATACCAAAACAGTCTACTTCAGTCTCTGCAGTTCTTGCATCTAATCATAAAATCAG ACTTTATCTGATTTTACTGGAAGTAATTCCTTTTCACTCATAGAGGAATCAAGCAAGAA TCTACTCAGCATATCCTAAACCCCAATACATCATTGAATTCAAATAATTTCCAAATATTG CATTATCAGCATCTCAGGGTAATTATAGCAATTCAAAATTTATCTCTGTGCACATGAAC TTCCCAGATCTGTGACTCAGGAATCAAATGGGCCATTTCAATGATCATGTAGAACT AATGGCTTTTCATCTTTAGAAGAGAATTTACTTCATCAAGTGAATCTCAAAGTGAAGCA TTCACAGGACTTGACCCCGAGGACCTCCTTCAGGAGGGTCTTCTTCTCACTTTGATGAG TCAACATTCGACAGATAATTCAAGTCACATTTTAGATCATGACCTTGATCGGCAGTTT ACTTCGCATCTGGTAACACGGCCTTCTGATATGGCTCAGACTCAGTTGCAAAGTCAGGCT CGGAGTTGGCATTATCATTTTCTAATCATCAGCATTACATGACAGAAATCACCTATGT TTACAGCGACAGCTCCATCTTCAAGAAGAGCGATGGTTCTGGGACATATACTAAGTTG CAGAATACCCAGGTGAGGGTCAATGTCTGAGAAGAAGCAGAGAAAAAAGGTGGAATCAGAA AGCAAGCAAGAAAAGGCTAATCGTATAATATCAGAGGCCATAGCAAAAGCAAAGGAGCGT GGGGAACGCAATATTCACAGTAATGAGCCCTGAAAACCTTCTACTGCTTCAGTTGAA GGAAAAAGAGAAAAAGGTAAGAGATGAAATCCAAGCCAAAGGACAAAGACAGCAAA AAAACAAAACATGTTCTAAGTTAAAAGAGAAGACAAAAATTGGCAAACTCATTATTACA TTGGGTAAGAAACAAAAAGAAAGAAATGAGTCTTCAGATGAAATATCTGATGCAGAACAG </pre>



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GCTTCATCTGGATCTGATAGTACATCGTCGTCATCTGAGGATTCAGATTCTAGTAATGAA
GAC

Restriction Sites:	Please inquire
ACCN:	NM_025134
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_025134.4, NP_079410.4</u>
RefSeq Size:	11479 bp
RefSeq ORF:	8646 bp
Locus ID:	80205
UniProt ID:	<u>Q3L8U1</u>
Cytogenetics:	16q12.2

Gene Summary:

Acts as a transcriptional coactivator for PPARA and possibly other nuclear receptors. Proposed to be a ATP-dependent chromatin remodeling protein. Has DNA-dependent ATPase activity and binds to A/T-rich DNA. Associates with A/T-rich regulatory regions in promoters of genes that participate in the differentiation of progenitors during osteogenesis (By similarity).

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.