

Product datasheet for **SC304330**

Chromodomain helicase DNA binding protein 5 (CHD5) (NM_015557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chromodomain helicase DNA binding protein 5 (CHD5) (NM_015557) Human Untagged Clone
Tag:	Tag Free
Symbol:	Chromodomain helicase DNA binding protein 5
Synonyms:	CHD-5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015557 edited
 ATGCGGGGCCAGTGGGCACCGAGGAGCTGCCGCGGTGTTCCGCCGAGGAGATGGAG
 AATGAGGACGAGATGTCAGAAGAAGAAGATGGTGGTCTTGAAGCCTTCGATGACTTTTTTC
 CCTGTGGAGCCCGTGAGCCTTCCCTAAGAAGAAGAAACCCAAGAAGCTCAAGGAAAACAAG
 TGTAAAGGGAAGCGGAAGAAGAAAGAGGGGAGCAATGATGAGCTATCAGAGAATGAAGAG
 GATCTGGAAGAGAAGTCCGAGAGTGAAGGCAGTACTACTCCCCGAATAAAAAGAAGAAG
 AAGAACTCAAGGACAAGAAGGAGAAAAAGCCAAAGCGAAAAAGAAGGATGAGGATGAG
 GATGATAATGATGATGGATGCTTAAAGGAGCCCAAGTCTCGGGGAGCTCATGGCCGAG
 TGGGGCCTGGACGACGTGGACTACCTGTTCTCGGAGGAGGATTACCACACGCTGACCAAC
 TACAAGGCCTTCAGCCAGTTCCTCAGGCCACTCATTGCCAAGAAGAACCAGGAGATCCCC
 ATGTCCAAAATGATGACCGTCTGGGTGCCAAGTGGCGGGAGTTCAGCGCCAACAACCCC
 TTCAAGGGCAGCTCCGCGCAGCAGCGGCGGCGGTGGCTGCGGCTGTAGAGACGGTC
 ACCATCTCCCCTCCGCTAGCCGTGAGCCCCCGCAGGTGCCCCAGCCTGTGCCTATCCGC
 AAGGCCAAGACCAAGGAGGGCAAAGGGCCTGGAGTGAGGAAGAAGATCAAAGGCTCCAAA
 GATGGGAAGAAAAGGGCAAAGGGAAAAAGACGGCCGGGCTCAAGTTCGCTTCGGGGGG
 ATCAGCAACAAGAGGAAGAAGGGCTCCTCGAGTGAAGAAGATGAGAGGGAGGAGTCGGAC
 TTCGACAGCGCCAGCATCCACAGTGCCTCCGTGCGCTCCGAATGCTCTGCAGCCCTGGGC
 AAGAAGAGCAAGAGGAGGCGCAAGAAGAAGAGGATTGATGATGGTGACGGCTATGAGACA
 GACCCAGGATTACTGTGAGGTGTGCCAGCAGGGTGGGGAGATCATCCTGTGCGACACC
 TGCCCCGAGGGCCTACCATCTCGTATGCCTGGACCCAGAGCTGGAGAAGGCTCCCCGAGGGC
 AAGTGGAGCTGCCCCACTGTGAGAAGGAGGGATCCAGTGGGAGCCGAAGGACGACGAC
 GATGAAGAGGAGGAGGGCGGCTGCGAGGAGGAGGAGGACGACCACATGGAGTTCTGCCGC
 GTGTGCAAGGACGGGGCGAGCTGCTCTGCTGCGACGCTGCCCTCCTCCTACCACCTG
 CATTGCCCTCAACCCGCGCTGCCCGAGATCCCAAACGGTGAATGGCTCTGCCCGCGTGT
 ACTTGCCCCCACTGAAGGGCAAAGTCCAGCGGATTCTACTGGAGGTGGACGGAGCCC
 CCTGCCCTTCATGGTGGGGCTGCCGGGGCTGACGTGGAGCCAGCCTCCCTCCACCT
 AAGCCCCGAGGGCATCCCTGAGAGAGGTTCTTTGTCAAGTGGCAGGGCTGTCTAC



[View online »](#)

TGGCATTGCTCCTGGGTGAAGGAGCTACAGCTGGAGCTGTACCACACGGTGATGTATCGC
 AACTACCAAAAGAAAGAACGACATGGATGAGCCGCCCCCTTTGACTACGGCTCTGGGGAT
 GAAGACGGCAAGAGCGAGAAGAGGAAGAACAAGGACCCCTCTATGCCAAGATGGAGGAG
 CGTTTCTACCGCTATGGCATCAAGCCAGAGTGGATGATGATTACCGAATCCTGAACCAT
 AGCTTTGACAAGAAGGGGGATGTGCACTACCTGATCAAGTGGAAAGACCTGCCCTACGAC
 CAGTGCACCTGGGAGATCGATGACATCGACATCCCCTACTACGACAACCTCAAGCAGGCC
 TACTGGGGCCACAGGGAGCTGATGCTGGGAGAAGACACCAGGCTGCCCAAGAGGCTGCTC
 AAGAAGGGCAAGAAGCTGAGGGACGACAAGCAGGAGAAGCCGCCGACACGCCCATTTGTG
 GACCCACCGTCAAGTTCGACAAGCAGCCATGGTACATCGACTCCACAGGCGGCACACTG
 CACCCGTACCAGCTGGAGGGCCTCAACTGGCTGCGCTTCTCTTGGGCCAGGGCACTGAC
 ACCATCCTGGCCGATGAGATGGGTCTGGGCAAGACGGTGCAGACCATCGTGTTCCTTTAC
 TCCCTCTACAAGGAGGGCCACTCCAAGGGCCCTACCTGGTTAGCGCGCCCTCTCCACC
 ATCATCAACTGGGAACCGGAGTTTGAGATGTGGGCGCCGACTTCTACGTGGTCACCTAC
 ACGGGGGACAAGGAGAGCCGCTCGGTGATTCGGGAGAATGAGTTTTCTTTGAGGACAAC
 GCCATTCGGAGTGGGAAGAAGGTATTCCGTATGAAGAAAGAAGTGCAGATCAAATCCAC
 GTGCTGCTCACCTCCTATGAGCTCATCACCATCGACCAGCCATCCTGGGCTCCATCGAG
 TGGGCCTGCCTGGTGGTAGATGAGGCCACCGCCTCAAGAACAACCAGTCCAAGTTTTTT
 AGGGTCTTAAACAGCTACAAGATTGATTACAAGCTGCTGCTGACAGGGACCCCTTCAG
 AACAACCTGGAGGAGCTGTTCCATCTCCTCAACTTCTGACTCCAGAGAGGTTCAACAAC
 CTGGAGGGCTTCTGGAGGAGTTTGTGACATCTCAAGGAAGACCAGATCAAGAAGCTG
 CATGACCTGCTGGGGCCGCATGCTCAGGCGGCTCAAGGCTGACGTGTTCAAGAATG
 CCGGCCAAGACCGAGCTCATTGTCCGGTGGAGCTGAGCCAGATGCAGAAGAAGTACTAC
 AAGTTCATCCTCACACGGAATTTGAGGCACTGAACTCCAAGGGGGCGGGAACCAAGTA
 TCGCTGCTCAACATCATGATGGACCTGAAAAAGTGTGCAACCACCCCTACCTCTTCCCT
 GTGGCTGCCGTGGAGGCCCTGTCTTGCCCAATGGCTCCTACGATGGAAGCTCCCTGGTC
 AAGTCTTCAGGGAAGCTCATGCTGCTACAGAAGATGCTGAAGAAACTGCGGGATGAGGGG
 CACCGTGTGCTCATCTTCTCCAGATGACCAAGATGCTGGACCTCCTGGAGGACTTCTG
 GAGTACGAAGGCTACAAGTATGAGCGGATTGATGGTGGCATCACCGGGGGCTCCGGCAG
 GAGGCAATCGACAGATTCATGCCCCCGGGGCCAGCAGTTCTGCTTCTCTCTCAACC
 CGGGCAGGTGGTCTGGGCATCAACCTGGCCACGGCRGACACTGTCATCATCTACGACTCG
 GACTGGAACCCGACAATGACATCCAGGCCTTCAGCCCGCCACCGCATCGGCCAGAAC
 AAGAAGGTGATGATCTACCGCTTCGTGACTCGGGCCTCGGTGGAGGAGCGCATCACGCAG
 GTGGCCAAGCGCAAGATGATGCTCACCCACCTGGTGGTGGCGCCCGGCCTCGGCTCCAAG
 TCGGGGTCCATGACCAAGCAGGAGCTGGACGACATCCTCAAGTTCGGCACGGAGGAACTC
 TTCAAGGACGACGTGGAGGGCATGATGTCTCAGGGCCAGAGGCCGGTACACCCATCCCT
 GATGTCCAGTCTCCAAGGGGGAACTTGGCCGCCAGTGCAAAGAAGAAGCACGGTAGC
 ACCCCGCCAGGTGACAACAAGGACGTGGAGGACAGCAGTGTGATCCACTATGACGATGCG
 GCCATCTCCAAGTCTGACCCGGAACAGGACGCTACAGATGACACGGAGCTACAGAAC
 ATGAACGAGTACCTGAGCTCCTTCAAGGTGGCGCAGTACGTGGTGGCGAGGAGGACGGC
 GTGGAGGAGGTGAGCGGAAATCATCAAGCAGGAGGAGAACGTGGACCCCGACTACTGG
 GAGAAGTGTGCGGCACCACTATGAGCAGCAGCAGGAGGACCTGGCCCGCAACCTGGGC
 AAGGGCAAGCGCATCCGCAAGCAGGTCAACTACAACGATGCCTCCAGGAGGACCAGGAG
 TGGCAGGATGAGCTCTCTGATAACCAGTCAGAATATTCCATTGGCTCTGAGGATGAGGAT
 GAGGACTTTGAAGAGAGGCCGGAAGGGCAGAGTGGACGACGACAATCCCGGAGGCAGCTG
 AAGAGTGACAGGGACAAGCCCTGCCCCGCTTCTCGCCCGAGTTGGTGGCAACATCGAG
 GTGCTGGGCTTCAATGCCCGACAGCGGAAGGCCTTCTGAACGCCATCATGCGCTGGGGC
 ATGCCCCCGCAGGACGCCTTCAACTCCCACTGGCTGGTGGCGGACCTTCGAGGGAAGAGC
 GAGAAGGAGTTTAGAGCCTATGTGTCCCTTTCATGCGGCACCTGTGTGAGCCGGGGGCG
 GATGGTGCAGAGACCTTCGACAGCAGCGTGCCTCCGGGAGGGCCTCTCCAGGCAGCACGTG
 CTGACCCGCATCGGGGTGATGCTACTAGTTAGGAAGAAGGTTGAGGAGTTTGAGCATGTC
 AACGGGAAGTACAGCACCCAGACTTGATCCCTGAGGGGCCCCGAGGGGAAGAAGCCGGGC
 GAGGTGATCTCCTCGGACCCCAACACACCAGTGCCTCCAGCCCTGCCACCTCTGCCA

GCCCCGCTGGGCCTGCCAGACAAAATGGAAGCCCAGCTGGGCTACATGGATGAGAAAAGAC
 CCCGGGGCACAGAAGCCAAGGCAGCCCCTGGAAGTCCAGGCCCTTCCAGCCGCTTGGAT
 AGAGTGGAGAGTGAAGACAAGCACGAGAGCCCAGCCAGCAAGGAGAGAGCCGAGAGGAG
 CGGCCAGAGGAGACGGAGAAGGCCCGCCCTCCCCGGAGCAGCTGCCGAGAGAGGAGGTG
 CTTCTGAGAAGGAGAAGATCCTGGACAAGCTGGAGCTGAGCTTATCCACAGCAGAGGG
 GACAGTTCCGAACTCAGGCCAGATGACACCAAGGCTGAGGAGAAGGAGCCATTGAAACA
 CAGCAAAAATGGTGACAAAAGAGGAAGATGACGAGGGGAAGAGGAGGACAAGAAGGGGAAA
 TTCAAGTTCATGTTCAACATCGCGGACGGGGCTTACGAGGTTGCACACGCTGTGGCAG
 AACGAGGAGCGGGCTGCTGTATCCTCTGGGAAAATCTACGACATCTGGCACCGGCCCAT
 GACTACTGGCTGCTGGCGGGCATCGTGACGCACGGCTACGCCCGTGGCAGGACATCCAG
 AATGACCCACGGTACATGATCCTCAACGAGCCCTTCAAGTCTGAGGTCCACAAGGGCAAC
 TACCTGGAGATGAAGAACAAGTTCTGGCCCGCAGGTTTAAAGTCTGGAGCAGGCGTTG
 GTCATTGAGGAGCAGCTCCGGAGGGCCGCTACCTGAACATGACGCAGGACCCCAACCAC
 CCCGCCATGGCCCTCAACGCCCGCTGGCTGAAGTGGAGTGCCTCGCCGAGAGCCACCAG
 CACCTGTCCAAGGAGTCCCTTGGTGGGAACAAGCCTGCCAATGCCGTCTGCACAAGGTC
 CTGAACCAGCTGGAGGAGCTGCTGAGCGACATGAAGGCCGACGTGACCCGCTGCCATCC
 ATGCTGTCCCGCATCCCCCGGTGGCCGCCCGGCTGCAGATGTCGGAGCGCAGCATCCTG
 AGCCGCTGACCAACCGCGCCGGGACCCACCATCCAGCAGGGCGCTTTCGGCTCCTCC
 CAGATGTACAGCAACAACCTTGGGCCAACTTCCGGGGCCTGGACCGGGAGGGATTGTC
 AACTACAACAGATGCCCTGGGGCCCTATGTGACCGATATCTAGCCGTCTCGAGACTT
 CCCTGTGTGACGCGCTATTTCCAGCTGAGCCACGCCTGCCGGGCCACCTGCCCGACCC
 ACATGGGAGAGAAAAGCTGCCACCTTTTAGGAGCCAGCACCTTGGGACAAAAGGG
 AAACCTAGTAATGCCATCACATGGAGGACGAGGCCAGCTCAGCTGGGCCAGAGCCAGA
 AGTGCCACCTCATCATAATTCAAGTGTCTTCCACACAGCGTTGCCCCCAACACCGCC
 GGACGTGCCCCCTCGCCACCTTTTCCAGACGACTTCTTAGAAGAGATTTCAATTTATTTGT
 ACATCTTTTGCACCTTCTATTGAAGACTTGAACACGTTTGTCTTGATAAAAAGTTGGATG
 ACGTATGGAAGATTTGGAIAA
 AAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015557 unedited
 GTGCCTTTGTATACGACTCTATAGGGCGCGCGAATTCATGCGGGGCCAGTGGGCAC
 CGAGGAGGAGCTGCCCGGCTGTTCGCCGAGGAGATGGAGAATGAGGACGAGATGTCAGA
 AGAAGAAGATGGTGGTCTTGAAGCCTTCGATGACTTTTTCCCTGTGGAGCCCGTGAAGCT
 TCCTAAGAAGAAGAAACCAAGAAGCTCAAGGAAAACAAGTGTAAAGGGAAGCGGAAGAA
 GAAAGAGGGGAGCAATGATGAGCTATCAGAGAATGAAGAGGATCTGGAAGAGAAGTCGGA
 GAGTGAAGGCAGTGACTACTCCCCGAATAAAAAGAAGAAGAAGAACTCAAGGACAAGAA
 GGAAAAAAGCCAAGCGAAAAAAGAAGGATGAGGATGAGGATGATAATGATGATGGATG
 CTTAAAGGAGCCCAAGTCTCGGGCAGCTCATGGCCAGTGGGGCTGGACGACGTGGA
 CTACCTGTTCTCGGAGGAGGATTACCACACGCTGACCAACTACAAGGCCTTCAGCCAGTT
 CCTCAGGCCACTCATTGCCAAGAAGAACCAGGAAATCCCCATGTCCAAAATGATGACCGT
 CCTGGGTGCCAAGTGGCGGGAGTTGAGCGCAACAACCCCTTCAAGGGCAGCTCCGCGGC
 AGCAGCGCGCGCGCGGTGGCTGCGGCTGTAGAGACGGTCAACATCTCCCTCCGCTAGC
 CGTCAGCCCCCGCAGGTGCCAGCCTGTGCCTATCCGCAAGCCCAAGACCAAGAGGG
 CAAAGGGCCTGAGTGAGGAAGAGATCAAAGCTCCAAGATGGGAGAAAAGGCAAGGGAAA
 AGACGGCCGGCTCAGTTCCGCTTCGGGGATCAGCAACAAGAGAAGAAAGGCTCTCGGTG
 AAGAAGAATGAAAGGGAGGGAGC

Restriction Sites:

Please inquire

ACCN:

NM_015557

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:	The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by a single amino acid.
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:	<u>NM_015557.1, NP_056372.1</u>
RefSeq Size:	9646 bp
RefSeq ORF:	5865 bp
Locus ID:	26038
UniProt ID:	<u>Q8TDI0</u>
Cytogenetics:	1p36.31
Gene Summary:	This gene encodes a member of the chromodomain helicase DNA-binding protein family. Members of this family are characterized by a chromodomain, a helicase ATP-binding domain and an additional functional domain. This gene encodes a neuron-specific protein that may function in chromatin remodeling and gene transcription. This gene is a potential tumor suppressor gene that may play a role in the development of neuroblastoma. [provided by RefSeq, Feb 2012]