

Product datasheet for **RN211560**

Chd6 (NM_001107797) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chd6 (NM_001107797) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chd6
Synonyms:	CHD-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211560 representing NM_001107797 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAATGAAATACAGAAGAAAGAGAAGCAGTTGTCCAAGTTAAGAGCTTTGAATCACTCCCCAATGT
CGGATGCCTCCGTTAACTTTGACTACAAATCACCATCACCATTGCGATTGCAGTCTGATCAGGGAGAGAA
CATTGAAGAAGCTGCCAATCATTGTCTGCCCCAGAAGGACTTCTATACTACTGAAGAGGAAGCTGACACC
CTTTTTCTAGGAAGTTGATGTCCATAATGGGATGGAGGATAATGGAGGCAGAGGCACTGGAGTAAAGA
AGAAACGGAAGAAAAAGGAGCCAGGGGAGCAAGAGGGGACAAAGGCTAGCAAGGACAGGGAGCCTAAGCC
AAAGAGGAAACGAGAACCTAAAGAGCCAAAAGAACCCAGAAGGGCCAAGGAGCCTAAGAGAGCCAAGGAG
CCCAAGGAGGCAAGACAGAAAGACGGCGTGAAGAAGCCCCGGAAGCCCCGGGAGGCCTCCGGTACCAAGG
AGGGTAAAGAGAAGAGGAGCTGCACTGACTGTGGACCCAGGACAAAGCCCAAGAAGGCCAGCAAGGATCA
AGGACCAACCCCACTGGAGAGAAAGAAGAAAGGAAAAAGGAAAAATGAAACCACCGTGGAGAGTTTAGAG
CTGGACCAGAGTCTTCCAAACCCATCTCTGCAGAGTCTGAGGAGCCAGTGAGTCTGCAGACAGCCAGA
AACGGCGCTCAGGACGGCAAGTAAAGCGTAGAAAAATAATGAGGACCTGGACTTCAAGGTCGTGGACGA
TGATGGGGAACAATCGCTGTTCTGGGAGCAGGCCGACATCTGCACTCTCTGCTCCACCCTGGCCTGG
CAGGCTGAGGAGCCTCCAGAAGATGATGCAACATCATTGAGAAAAATCCTGGCATCCAAGACTGTCCAGG
AGGTTACCCAGGAGAACCTCCATTGACCTAGAGCTTTTCTACGTTAAGTATAGAAATTTCTCCTATTT
ACATTGTAAGTGGGCCACAATGGAAGAGCTGGAAGAGGATCCCCGCATCGCTCAGAAGATCAAGCGCTTT
AGGAACAAACAGGCCAGATGAAGCATATTTTTACTGAGCCTGATGAAGACTTGTTCATCCAGATTATA
TAGAAATTGATCGTATCTTGGAGGTGGCCACACCAAGGATGCAGAAACAGGGGAGGAAGTGACCCATTA
CCTGGTAAATGGTGCTCTCTGCCGTATGAAGAAAGCACATGGGAGCTAGAGGAAGATGTGGATCCTGCA
AAAGTGAAGAATTTGAATCTCTACAAATTCCTCCTGAAGTTAAGCCTGTGGAACGACCTGCCTCTGATG
CATGGCAGAACTGGAGACCTCTCGTGAGTATAAGAACAGTAACCGGCTGCGGGAGTACCAGCTCGAGGG
CATGAAGTGGCTGCTTTCAACTGGTACAACAGAAAAAAGTATTTTGGCTGATGAAATGGGCCTAGGG



[View online »](#)

AAAACCATCCAGTCCATCGCATTCTTTTCAGAAATCTTTGTCAGGGGAATCCATGGCCCCCTTCTCATCA
 TTGCCCTCTTTCCACCATCACTAACTGGGAGCGAGAATCCGGACATGGACAGAGATGAATGCTATTGT
 GTACCACGGCAGCCAGATCAGCAGGCAGATGATCCAGCAGTACGAAATGGTATACAGAGATGCACAGGGG
 AACCCCTTTTCAGGAGTTTTCAAGTTCCATGTCGTCATCACAACATTCGAGATGATCCTGGCAGATTGCC
 CAGAGCTGAAGAAGATTCAGTGGAGCTGTGTGGTAATTGATGAGGCCACAGATTGAAGAATAGGAACTG
 TAACTTCTGGAAGGGTTAAAGCTCATGGCCCTGGAACACAAGGTGCTACTCACAGGAACGCCCTTGCAG
 AACTCAGTGGAAGAGCTCTCAGTTTGCTTAACCTTCTGGAGCCCTCACAGTTTCTTTCAGAGACTGCTT
 TCTTAGAGGAGTTTGGTGATCTCAAAACAGAAGAACAGGTAAAGAAATTGCAGTCTATCCTAAAAACCAAT
 GATGCTTCGGCGCCTGAAAGATGATGTGGAGAAGAACCTTGCTCCCAAGCAGGAGACCATCATTGAAGTA
 GAACTGACCAATATCCAGAAAAAGTACTACCGTCTATCCTAGAGAAAAACTTCTCTTCTGACCAAAAG
 GTGCAATCAGCACAACATGCCAACCTTATCAATACTATGATGGAGCTGAGAAAATGCTGCAACCAACCC
 CTACCTGATCAATGGGGCAGAGGAAAAGATTCTGGAAGATTTTCAGGAAAGCCACAGCTCTGAAGCCTCT
 GACTTCCAGCTACAGGCCATGATCCAGGCGCGGGGAAGCTGGTGCTCATTGACAAGCTTCTCCCAAGC
 TCATTGCTGGCGGCCACAAAGTCTCATCTTCTCAGATGGTGCGCTGTCTCGACATCTGGAGGACTA
 TCTCATCCAGAGACGATACACCTATGAGCGAATTGATGGGCGAGTACGGGAAACCTGCGCCAGGACGCC
 ATCGACCGGTTCTGTAAGCCAGACTCAGACCGCTTTGTCTTTCTTCTGTGCAACAGAGCGGGAGGCTGG
 GAATCAATCTCACAGCTGCTGATACCTGCATCATATTTGATTCTGACTGGAACCCACAAAATGACTTGCA
 GGCTCAGGCCCGGTGTCATCGTATAGGCCAGAGCAAAGCCGTAAGGTATATCGCTAATCACTCGAAAC
 TCCTATGAGCGGGAATGTTTGACAAGGCCAGCCTGAAGCTGGGCTGGACAAGGCTATTCTTCAGGACA
 TCAACAGAAAGGGCAGCACCAATGGAGTGCAGCAGCTCTCAAAATGGAAGTGAAGATTTGCTCCGGAA
 AGGTGCTTATGGAGCTTTAATGGACGAGGAGGTGAAGGCTCCAAGTTCTGTGAAGAGGACATAGACCAG
 ATTCTGCAGAGACGGACCCACACCATCACCATCCAGTCAAGGGAAGGGCTCCACTTTTGCCAAGGCTA
 GTTTTGTGGCTTCAGGAAACAGAACAGATATTTCTTGGATGATCCCAATTTTGGCAGAAATGGGCTAA
 AATAGTGAGTTAGACACTGAAGCAATATGAAAAGGAAAGCTTAGTGATTGACCGGCCACGGGTGAGG
 AAACAGACCAAACTACAACCTATTTGAGGAGGATGAGCTTATGGAGTTCTCAGAGTTAGACAGTGACT
 CGGATGAAAGGCCACACGGTCCAGGCGCTCAGTGACAAAGCCAGGCGCTACCTCCGCGCTGAGTGCTT
 CCGAGTAGAGAAGAACCTGCTCACCTTTGGCTGGGGCGCTGGAAGGACATCCTGACTCACGGACGATTC
 AAGTGGCCCTGAATGAGAAGGATATGGAGGTGATTTGCCGGGCTCTGCTAGTATACTGCGTGAAGCATT
 ACAAGGAGATGAGAAAATCAAGAGTTTTATTTGGGAATAATCACACCTTCCAAAGACGGACAGGTTCA
 GACCTCCAGAACCACTCAGGCTTGTCTGCCCCAGTCCCAGAGGGAGGAAAGGAAAAAGACGAAAAAC
 CAGCTGTTGCTCCAGAACTGAAGACTGCAGACTGGTTGGCCACTTGCAATCCGAGGTGGTCTTACATG
 ATGATGGGTACAAAAACACCTCAAGCAGCACTGTAACAAGGTGCTTTTGAGAGTCCGGATGCTGTACTA
 CCTAAAAGCTGAAATATTAGGAGAAGCAGCTGATAAAGCCTTTGAGGGAACCTCCTGCCAGAGAGCTGGAT
 GTCCTTCTGCCCCGACATTGACTATGTGGAGATCCAGTAGATTGGTGGGATGCTGAAGCTGATAAGTCCC
 TTCTCATTGGTGTGTTCAAGCACGGTTATGAGAGGTACAATGCCATGCGGGCTGACCCAGCACTCTGTTT
 CCTGGAGAAAGTCGGCATGCCTGATGAGAAGTCCCTTTCTGCAGAGCAGGGTGTACAGATGGAACCTCA
 GACATTCCTGAAAGAGGCAACATAGATAAAGAAGACAGTGCTGAGGACAAGGTAGATGGTCTCCAGAAGC
 AAACGGCGAGTCCAGTGATGGAAGTGATGGCATTTTTGGTGAAGAAGGATGACAGCCAGGCAGTTTC
 CTCTGCCCTCACTGCTCGACTAAGGCGTCTGGTCACTATTTACCAGCGCTGCAACCGCAAGGAGCTGTGC
 AGACCTGAAATCCTAGGCCAGGTAACCAAGGATCTGGGTTTCAGGAGGAGGTGTTTCAGGAGAACTTCAG
 ACATGGACCTCATCAACAAGGAAGCCCAAAAAAGGTGGACTAGAAGAGAACAAGCCGACTTCTATAGAAC
 CGTGTCTTCTCGTGTTGTGTATGACCAGGAAAAGGAGCCTTTGACTGGACGCAAGTCCGCGCCATT
 TCTCGTTGGACAAGAAGTCAGATGAGAACCTGGAGCACTATTTTCATAGTTTTGTAGCCATGTGTCGGA
 ATGTGTGTCGTTCCACATGGAAGATGATGGTCCCCCTGATGCCAGCATCTATGTTGAGCCCATCAC
 CGAGGAACGGGCAGCAAGACTCTGTACCGCATTGAACTACTGAGGAAAGTCCGTGAGCAGGTGCTCACG
 TGTCTCAACTGCATGAGCGCTCCAGCTTTCAGAGCCAGCCTCTACCTCCAGTCTGGTGGGAATGTG
 GGAACATGATCGAGACCTGCTTATTGGCACCGCCAAACATGGGCTCAACCGCACTGACTATTACATCAT
 GAATGACCCCACTGCTCTTCTAGATGCCTATAGAACTATGCCAACACAAAGAAGTACACCCAG
 GCTCCTGGAAGTCTCTGTTGCCTTTACCAGGGCAATTCTAACTATATGAGTCTCTTACTTATACGCCAA
 TGAGTAGGACTTCAGAGTCTCTTGAAAGTGAGCCAGAGAATCTGGTAAAAATGGACAGCAGGGACGATCA
 TCTCTGCCTGCCTGAGGCTGGTCTGCCTGACATAACCTGTGAAAACCTTTGTTTCCAAAGTTCAGGAAGTC
 ATTTCTCTGGACCATGATGAAAGCTTGCTGCCGGAGTCTTTGGAGAACATGATGTATGGCAAGACAGGAC

TCAGCCAGGAGCCACGATCTTTTCAGGAGGCCCAAGTACCAACATGCAGTCCAGGAAAAAGACTGTCAC
CGTCTCAGCCAGCAGAGACGAGAGCTGCCAGCTTCTGTTATTGAGGCAGAAATTAATTCAGCTTCTCT
CTCATGAGCAGCTTAGAAGCAGGAGTGGCCAAGATGAATATTAATAATGGAAAGCATTGTTGGTATCGA
TCTCAGAAGAAGGGGAGCCCTGCTGCAGCGAGACAGGGCGGAGCCCTGAAAGCAGAGGCCGCTGGAGGC
CAGATGCTTAGCTTCCCCTACCTTAGATACAGGGCAGCAAAAGTGGGTTTGTAGATCTGTGCAGCCTTAGT
GTCTATGACTCCAAAAGAACTTCTCATCAGATCAGCAATTAATTGATTTATTAGAAAACAAGAGTTAG
AAAATAAGTTGATTTTGAATCAGAGTGATGAGGAAGAGGAAGAAATGAGAAGGAAACCTTAGCCATAGT
AGCCAGCACACAGAAAAGCCAGCGGTCTTAGATTTTACCCAGCCCACTGCAAGCATCCCAAGGGGAAAG
AACCTCAGCTTCCACCAAGATGAAGCCAAGAAAGGAAGGCTGGAGGTGGGAAGCAAGACTCCTGGACCAC
AGAGGGCCTTCTCCTCAGCCAATCAGTGCCACTGCAACACATTGAAAGGTGGGCACATGGCCTGGG
GAGTGAGGAATCTGAAGGAGAGAAACCAAGGCTTACGAGCCAGACCCGTACAGAAGCAAAGCCAATAAT
ACCACAGTGGAAGGTGAGCCTGCTATTATTCCAACAGAGCCATTTAACTGAAGCATGAGCTTTTAAAG
AACCGTGGAAAGAAAGTTAGAGGGGGGAAGAGTTTCTCCATGTATGTTCCGAGGGAAGTGAACCCAA
ATCAGAAGAAATGGATTTTGAATAAAGATGATTATGAGAAGGATGGAGCCTGCCACAGTCAAGACTAC
CCAGGCAAATCTCTGAGGAGGAGAGTAAGAGTTCGGCATCAGGCATTGCAGGAGACCTTGGGGAAGAGG
CACAGGAAGTGCGGGCTCCACCATTTGCTCAGCTCCTGCAGGAAAAAACCTCTATTCTTCTCAGAGTG
GCCAAAGGACCGTGTGATAATTAACCGCTAGATAATATTTGCCATGTGGTGTTAAAGGGGAAGTGGCCC
TGCAGCCACCAAGTATGAGCCCTCAGGTGCACTGCCACGCCAGTGTTATCCAGCAGTGCAGGTTCTCGAA
GCAGCCTCTCAGAGCCAGAAGCAACCGAACACAGCTTCAGCAATGGTGCAGCATTGGCAGCCAGATCCA
AAAGGAGAGCTTCTTAGCCCCAGTATTCACAAAAGATGAACAAAAGCACAGAGCTCCCTATGAGTTTGAG
GTGGAAGGGATGCCAAGCTCGGAGCCTAGAAGAATACTCTGCCAGCCATGGGCGTCCCCCATTGTCC
TCAATGGCTGGCATGGGAGTCAGCTATAGACCTCTCTGCTCATCAGAGGGTCTCCAGGAGCCACATC
TCCTTTCCAGTAAGTGCCAGCACCCCTAAGATTGGTGCTATCAGCTCACTTCAAGGAGCCCTCGGTATG
GACTTGTCTGGAATTCTGCAAGCTGGCCTAATCCACCCAGTAACCTGGACAGATCGTCAATGGAAGCCTCA
GGAGGGATGATGCTGCCATGAGAAGGCGAAGAGGGAGACGAAAACATATTGAAGGAGGGATGGACCTCAT
CTTTCTGAAGGAGCAACACTTCAGGCTGGAATCTTGGAAGTCCATGAAGATGCAGGACAGACTACCCTG
AACACCACACACCCTGAAGGGCCAGGAGCTGCTTCTCAGCTTCTGAGCCAACAGCAGCAGCCAGCAGCC
AGGCTGAGAAAGCTGTTCCAGCAAGAGCCTACTGACTGGCTGCGGCAGCAGGCTGACTACTCCTTGGA
TGTTCTGGCTTTGGGGCAAGTTTTTTCAGACAAACCAAGCAGAGGAGACCACGCTGCAAGAACCTGGA
AAATTAGACATCGGCTCTCTAGGTGGAGAAGAGAGGGTTTCTGCTGTCCCAAGGAGCCAGGACTAAGGG
GGTTTCTCCAGAAAGCAAATTCATCACACCCTAGCCGAACCTGTGCTTCGAGATGCAGGCCCCCGCAG
GAGGGGAGGCGCGCTCGGAATGAGCTCCTAAAAGCTCCAGCCATTGTAGCAGACTCTCCTTCTGGAATG
GGACCACTGTTTCATGAATGGGCTGATTGCAGGGATGGACCTGGTAGGATTGCAGAATGTGAGAAATATTC
CAGGCATTCTCTCACTGGGCTGGTGGGCTTCCAGCTGGTTTTGCCACCATGCCTACTGGTGAAGACGT
CAAAAACACCCTGAGCATGCTGCCATGATGCTGCCAGGCATGGCCACAGTGCCCGAGATGTTTGGTGTT
GGCGGACTCCTCAACACACCCATGGCAACCACCTGCACGACCACTGCATCAGCGTCTCTCGCAAGCACAA
AAAGTGGTGCCTCAGCCACTGAAAAAATACAGAGGACGAGCTGAGTGGCCGTGATGTGAAAGCAGACAG
TCTGGTGAAGATAAGCCTGGCCCTAGTCCATTTTCTGATCAGTCTGAACCCACAATAACTACAAGTAGT
CCTGTGGCTTTCAACCCATTTCTATCCAGGAGTATCTCTGGACTCATCTACCCCTCCATGTTTCTCT
CCCCTGGCATGGGCATGGCTCTGCCAGCCATGCAGCAGGATAGACTCAGAGATGGCCGCTCTAGAGAC
CCAGAAGAGGAAAAAGAAAGAAACAAAGGGGACAACCCACCCAGAGCCTGCTTCTGTGTGTGAGAGG
GAGCCAGGCAAGTATCAGAACTGCACCGAGTCCAGTGTCACTGTGTCCCGAGAGAGAGAACAGTGGCAC
AGGCCAGGAAGAGGGGCTCAAAGACTCTAACGATGATACCAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001107797
Insert Size: 8097 bp

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:	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_001107797.1</u> , <u>NP_001101267.1</u>
RefSeq Size:	10472 bp
RefSeq ORF:	8097 bp
Locus ID:	311607
UniProt ID:	<u>D3ZA12</u>
Cytogenetics:	3q42
Gene Summary:	DNA-dependent ATPase that plays a role in chromatin remodeling. Regulates transcription by disrupting nucleosomes in a largely non-sliding manner which strongly increases the accessibility of chromatin. Activates transcription of specific genes in response to oxidative stress through interaction with NFE2L2.[UniProtKB/Swiss-Prot Function]