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Product datasheet for RN202127

Chd8 (NM_022933) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chd8 (NM_022933) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chd8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202127 representing NM_022933 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGACCCCATCATGGATCTGTTTGATGACCCAAACTTATTTGGCCTGGATTCTTTGACTGATGACA GCTTTAATCAGGTCACTCAAGACCCCATTGAAGAAGCACTTGGACTGCCAAGTTCTCTGGACTCCTTGGA TCAGATGAACCAAGATGGTGGAAGTGGTGATGTGGGGAATTCATCAGCAAGTGACCTGGTTCCCCCACCA GAGGAAACAGCTTCCACTGAACTTCCCAAAGAATCCACAGCTCCAGCTCCAGAATCCTTAACCTTGCATG ATTATACCACTCAGCCCACCAGCCAGGAGCAGCCAGCCCAACCTGTCTTGCAGACATCAACACCAACATC AGGACTTTTGCAGGTCTCTAAGAGCCAGGAGATCCTGAGCCAAGGGAATCCTTTCATGGGTGTCTCTGCC ACAGCTGTCTCCCCCAGTAATACTGGAGGACAGCCATCTCAGTCAGCTCCTAAGATTGTTATTCTTAAAG CTCCACCAAACTCCTCAGTCACAGGTGCCCATGTGGCACAAATTCAGGCCCAAGGTATCACCAGTACAGC TCAGCCCCTAGTGGCTGGCACAGCCAATGGTGGAAAAGTCACTTTTACCAAAGTGCTTACTGGTACACCC CTCCGACCAGGTGTATCCATTGTCTCTGGTAATACAGTGCTGGCCACGAAGGTCCCTGGGAACCAGGCTG CTGTTCAGCGCATTGTCCAGCCAAGCCGACCAGTAAAGCAGCTAGTTCTCCAGCCAGTTAAGGGTTCCGC TCCTGCTGGAAATCCCGGGGCTACCGGGCCCCCCCTGAAGCCTGCAGTTACACTGACATCTACACCTGCC CAGGGTGAATCGAAACGCATCACTTTGGTCCTTCAGCAGCCACAGTCCGGAGGTCCCCAAGGACATCGGC ATGTTGTGTTAGGGAGTCTACCCGGCAAGATAGTGTTACAGGGCAACCAACTGGCAGCCTTGACTCAAGC CAAGAGTGCTCAGGGGCAGCCTGCCAAAGTAGTCACCATCCAACTGCAGGTGCAGCAGCCACAGCAAAAG ATCCAGATTGTACCACAGCCCCCATCATCACAGCCACAGCCACAGCCGCCACCCTCAGCCCAACCATTGA CCCTGTCCTCTGTACAGCAGGCTCAGATAATGGGACCAGGCCAAAACCCAGGACAGAGACTTTCTGTACC GCTCAAGATGGTGCTGCAGCCACAGGCTGGCTCTTCTCAGGGAGCCTCTTCTGGACTCTCTGTGGTTAAA GTTCTAAGTGCCAGTGAAGTGGCAGCCCTGTCATCACCAGCAAGCTGTGCCCCTCACACTGCAGGGAAGA CTGGAATGGAGGAGAACCGCAGGCTTGAGCACCAGAAAAAGCAAGAAAAAGCAAATCGGATTGTGGCAGA GGCCATTGCTAGGGCCCGGGCCAGGGGTGAGCAAAACATACCTCGAGTCCTGAATGAGGATGAGCTGCCT AGTGTCCGGCCAGAAGAGGAGGGTGAAAAGAAACGCAGGAAGAAGAGCAGTGGAGAAAGGCTGAAGGAAG AGAAGCCAAAGAAAAGCAAGACTGCTGCTGCCTCCAAAACAAAGGGCAAGAGTAAGCTAAACACCATCAC TCCTGTAGTGGGCAAAAAGAGAAAGCGTAACACATCGTCTGACAACTCTGATGTGGAGGTCATGCCTGCA

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_022933

Insert Size: 7746 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: NM_022933.2, NP_075222.2

RefSeq Size: 8425 bp

RefSeq ORF: 7746 bp

Locus ID: 65027

Cytogenetics: 15p14

Gene Summary: This gene encodes a member of the chromodomain-helicase-DNA binding protein family, which is characterized by a SNF2-like domain and two chromatin organization modifier domains. The encoded protein also contains brahma and kismet domains, which is common to the subfamily of chromodomain-helicase-DNA binding proteins to which this protein belongs. In mammals, this gene has been shown to function in several processes including transcriptional regulation, epigenetic remodeling, promotion of cell proliferation, and regulation of RNA synthesis. Knockout of this gene in mice causes early embryonic lethality due to widespread apoptosis. Heterozygous loss of function mutations in mice result in autism spectrum disorder-like behaviors that include increased anxiety, repetitive behavior, and altered social behavior. [provided by RefSeq, Dec 2016]