

Product datasheet for RR202127

Chd8 (NM_022933) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chd8 (NM_022933) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chd8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202127 representing NM_022933 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGACCCCATCATGGATCTGTTTGTAGACCCAACTTATTTGGCCTGGATTCTTTGACTGATGACA
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ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR202127 representing NM_022933
 Red=Cloning site Green=Tags(s)

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 **C*R

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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 Size:	8425 bp
RefSeq ORF:	7746 bp
Locus ID:	65027
Cytogenetics:	15p14
MW:	290.7 kDa
Gene Summary:	<p>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]</p>