

Product datasheet for **MG226424**

Chd7 (NM_001081417) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chd7 (NM_001081417) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chd7
Synonyms:	A730019I05Rik; Cyn; Cyn; Dz; Edy; Flo; Lda; Mt; Obt; RP23-464N23.1; Todo; WBE1; Whi
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226424 representing NM_001081417 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MG226424 representing NM_001081417
 Red=Cloning site Green=Tags(s)

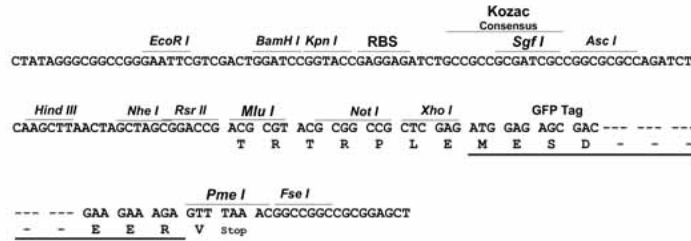
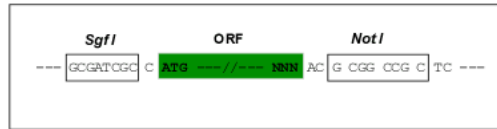
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TRPLE - GFP Tag - V

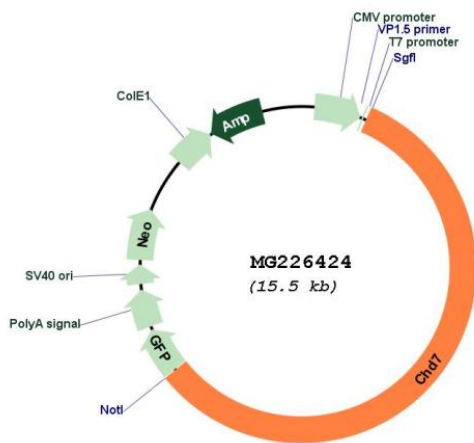
Restriction Sites: Sgfl-NotI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001081417

ORF Size: 8958 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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_001081417.1](#), [NP_001074886.1](#)

RefSeq Size: 9444 bp

RefSeq ORF: 8961 bp

Locus ID: 320790

Cytogenetics: 4 3.68 cM

Gene Summary: This gene encodes a protein containing two chromodomains and an ATP-binding helicase domain that functions as a regulator of transcription. Mutations in this gene result in an array of development defects, including inner ear problems. Mice defective for this gene exhibit many of the clinical features of the CHARGE syndrome caused by mutations in the homologous gene in human. [provided by RefSeq, Sep 2015]