

Product datasheet for MR231975

Chd7 (NM_001277149) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Chd7 (NM_001277149) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Chd7 |
| Synonyms: | A730019I05Rik; Cy; Cyc; Cycn; Cyn; Dz; Edy; F; Flo; GENA 47; Gena 52; GENA 60; L; Lda; metis; Mt; Ob; Obt; To; Todo; WBE1; Wh; Whi |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR231975 representing NM_001277149 Red=Cloning site Blue=ORF Green=Tags(s) |

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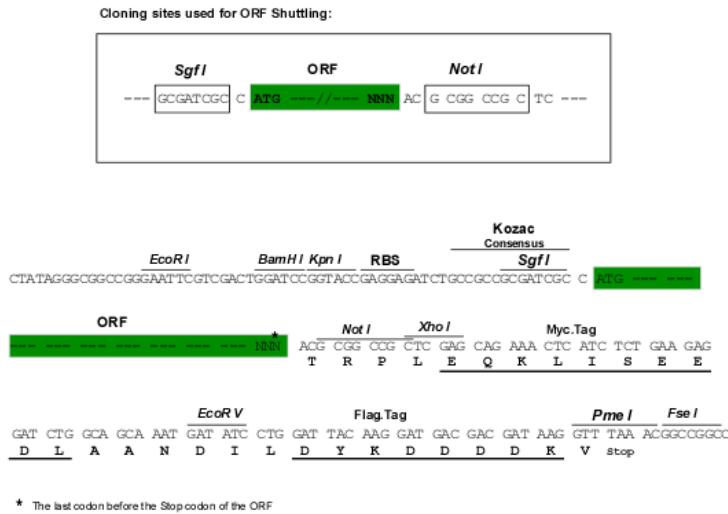
Protein Sequence: >MR231975 representing NM_001277149
 Red=Cloning site Green=Tags(s)

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Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_001277149

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_001277149.1](#), [NP_001264078.1](#)

RefSeq Size: 11306 bp

RefSeq ORF: 8961 bp

Locus ID: 320790

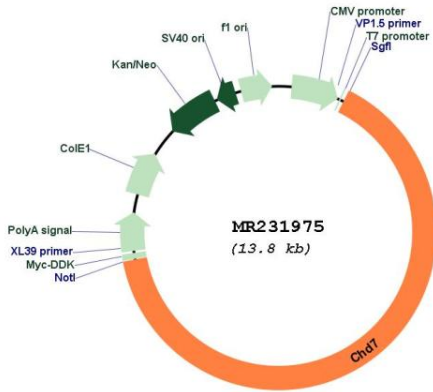
UniProt ID: [A2AJK6](#)

Cytogenetics: 4 3.68 cM

MW: 334.1 kDa

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]

Product images:



Circular map for MR231975