

Product datasheet for **MG215645**

Chchd6 (NM_001167736) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chchd6 (NM_001167736) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chchd6
Synonyms:	0710001P09Rik; 1700021B03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215645 representing NM_001167736 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAGCGCCGAGAGCGCCGAGGCCGAAGGGTGTCTTCGAGATGGATGAGGAGGAGCGGGTCCGGG
TGCTGCAGGGCATCCGGCTGTCTGAAAGTGTGTGAACCGCATGAAGGATTGCAGCCAGCCTTCAGCAGG
GGAACAGCTGGTTCCTGGTTTTGGTCTTCGTCTTCTGCTCCTGTGCCACTGTCCCTCTACCAGCCATC
TCTGTGCCACTGTCCCTGCACCTACCCTCCTGTGCCTACTGCTCCTTCATCCTCTGTACGTGGCCTGC
CAGGAGGCACCTGTAAGGCCCTCTGACAGACGTTAAAGTGCCAGTGCAGAGAGTGGTGGTGGTCTGCA
GTCTCAGCAGTGAAGGAGGATCTTAAGAAGTTCCAACAGGAGCAGTTGGCAGTCCAGGATGAGATGGTC
AGGGTGGCAAAAAGGAAAAGAGGCAGCTGAGAAGCACTTGAAGGCATCCCTGCCCAAGAAGAAGGCCA
GCCTCACCCATGAGCAACAGCAGTCACTGACTAAATGCTGAGCTGTATAAACTGTCTTCCCAACAATT
CCATGAGGCGGCTTCAAAGCAGAGAGCACAATAAAGCCCCGAGAGTGGAGCCTGTGTGCTCTGGCCTA
CAAGCCCAGATCCTCCGCTGTTACCGGGACCATCTGCATGAAGTGCTTCTGTGCTCGGACCTGGTCAAGG
CATACCAGCACTGTGTGAGCACTGCCCGCAAGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215645 representing NM_001167736
 Red=Cloning site Green=Tags(s)

MGSAESAEARRVSFEMDEEERVRVLQGIRLSESVVNRMKDCSQPSAGEQLVPGFGPSSAPVPTVPLPAI
 SVPTVPAPTTVPPTAPSSSVRGLPGGTCKGPLTDVKVPSAESGGGLQSSAVKEDLKKFQQEQLAVQDEM
 RVAKKEKAAEKHLKASLPKKKASLTHEQQSARLNAELYKLSQQFHEAASKAESTIKPRRVEPVCSGL
 QAQILRCYRDHLHEVLLCSDLVKAYQHCVSTARKG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001167736

ORF Size: 735 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_001167736.1](#), [NP_001161208.1](#)

RefSeq Size: 1042 bp

RefSeq ORF: 738 bp

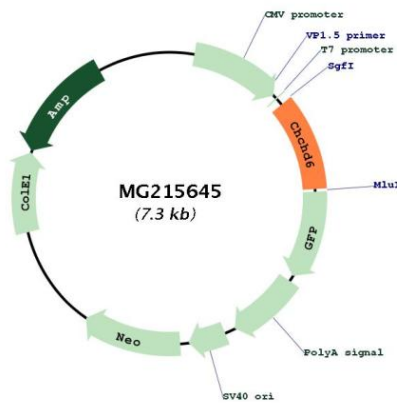
Locus ID: 66098

UniProt ID: [Q91VN4](#)

Cytogenetics: 6 D1

Gene Summary: Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215645