

## Product datasheet for **MG203646**

### Chchd6 (NM\_025351) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chchd6 (NM_025351) 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:	>MG203646 representing NM_025351 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAGCGCCGAGAGCGCCGAGGCCCGAAGGGTGTCTTCGAGATGGATGAGGAGGAGCGGGTCCGGG  
TGCTGCAGGGCATCCGGCTGTCTGAAAGTGTGTGAACCGCATGAAGGATTGCAGCCAGCCTTCAGCAGG  
GGAACAGCTGGTTCCTGGTTTTGGTCTTCGTCTTCTGCTCCTGTGCCACTGTCCCTCTACCAGCCATC  
TCTGTGCCACTGTCCCTGCACCTACCCTCCAGTGCCTACTGCTCCTTCATCCTCTGTACGTGGCCTGC  
CAGGAGGCACCTGTAAGGCCCTCTGACAGACGTTAAAGTGCCAGTGCAGAGAGTGGTGGTGGTCTGCA  
GTCTCAGCAGTGAAGGAGGATCTTAAGAAGTTCCAACAGGAGCAGTTGGCAGTCCAGGATGAGATGGTC  
AGGGTGGCAAAAAGGAAAAGAGGCAGCTGAGAAGCACTTGAAGGCATCCCTGCCCAAGAAGAAGGCCA  
GCCTCACCCATGAGCAACAGCAGTCACTGAGTACCCAGGAACTGGAGGACAGAGAGGCCGAGCTCAG  
CCGCTGTGACACCTTCTACAAGGAGCAGCAGGGGCGCATCCAGGAAAAGAATGCTGAGCTGTATAAACTG  
TCTTCCCAACAATTCCATGAGGCGGCTTCAAAGCAGAGAGCACAAATAAGCCCCGAGAGTGGAGCCTG  
TGTGCTCTGGCCTACAAGCCAGATCCTCCGCTGTACCAGGACCATCTGCATGAAGTGTCTGTGCTC  
GGACCTGGTCAAGGCATACCAGCACTGTGTGAGCACTGCCCGCAAGGGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203646 representing NM\_025351  
 Red=Cloning site Green=Tags(s)

MGSAESAEARRVSFEMDEEERVRVLQGIRLSESVVNRMKDCSQPSAGEQLVPGFGPSSAPVPTVPLPAI  
 SVPTVPAPTTVPPTAPSSSVRGLPGGTCKGPLTDVKVPSAESGGGLQSSAVKEDLKKFQQEQLAVQDEM  
 RVAKKEKAAEKHLKASLPKKKASLTHEQQQSARLARELEDREAELSRCDTFYKEQQGRIQEKNAELYK  
 SSQGFHEAASKAESTIKPRRVEPVCSGLQAQILRCYRDHLHEVLLCSDLVKAYQHCYSTARKG

TRTRPLE - GFP Tag - V

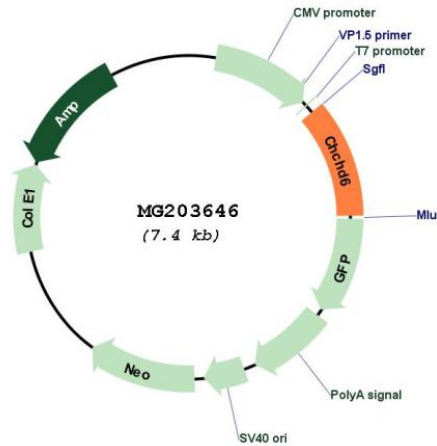
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_025351

**ORF Size:** 819 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025351.2</a> , <a href="#">NP_079627.2</a>
<b>RefSeq Size:</b>	1119 bp
<b>RefSeq ORF:</b>	822 bp
<b>Locus ID:</b>	66098
<b>UniProt ID:</b>	<a href="#">Q91VN4</a>
<b>Cytogenetics:</b>	6 D1
<b>Gene Summary:</b>	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]