

## Product datasheet for **RG202975**

### CHCHD6 (NM\_032343) Human Tagged ORF Clone

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | CHCHD6 (NM_032343) Human Tagged ORF Clone                                   |
| Tag:                      | TurboGFP                                                                    |
| Symbol:                   | CHCHD6                                                                      |
| Synonyms:                 | CHCM1; Mic25; MICOS25; PPP1R23                                              |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                      |
| ORF Nucleotide Sequence:  | >RG202975 representing NM_032343<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGAGCAGGAGAGCAGCGAGGGCCGAGGGTGTCTTCGGAGTGGACGAGGAGGAGCGGGTCCGGG  
TGCTGCAGGGTGTCCGGCTGTCTGAAAACGTGGTGAACCGCATGAAGGAGCCCAGCTCTCCACCCCTGC  
TCCCACATCTTCTACCTTTGGCCTTCAAGATGGCAACTTGAGAGCCCCTCACAAAGAATCCACACTGCC  
AGGTCCGGGAGCAGTGGTGGCCAGCAGCCCTCAGGGATGAAGGAGGGTGTCAAGAGGTATGAACAGGAGC  
ATGCTGCTATCCAGGATAAGCTTCTCCAGTGGCAAAGAGGGAAAGAGAGGCTGCCACCAAGCACTCCAA  
GGCATCCCTGCCACGGGCGAAGGCAGCATCAGCCATGAGGAGCAGAAGTCAGTCCGGCTGGCCAGGGAG  
CTGGAGAGCAGAGAGGCAGAGCTAAGACGCCGTGACACCTTCTACAAGGAGCAGCTGGAGCGTATTGAGA  
GGAAGAATGCTGAGATGTATAAACTGTCTTCAGAGCAATTCCATGAGGCAGCCTCAAAGATGGAGAGCAC  
AATAAAGCCCCGAGGGTGGAGCCCGTCTGCTCAGGGTTGAGGCCAGATTCTCCACTGCTACCGAGAT  
CGCCCGCATGAGGTGCTGCTGTGCTCGGACCTGGTCAAGGCATACCAGCGCTGCGTGAGCGCCGCCACA  
AGGGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG202975 representing NM\_032343  
 Red=Cloning site Green=Tags(s)

MGSTESSEGRVVSFGVDEEERVRLQGVRLSENVVNMKEPSSPPPAPTSSSTFGLQDGNLRAPHKESTLP  
 RSGSSGGQPPSGMKEGVKRYEQEHAAIQDKLFQVAKREREAATKHSKASLPTGEGSISHEEQKSVRLARE  
 LESREAELRRRDTFYKEQLERIERKNAEMYKLSSEQFHEAASKMESTIKPRRVEPVCSGLQAQILHCYRD  
 RPHEVLLCSDLVKAYQRCVSAAHKG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_032343

**ORF Size:** 705 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\\_032343.3](#)

**RefSeq Size:** 984 bp

**RefSeq ORF:** 708 bp

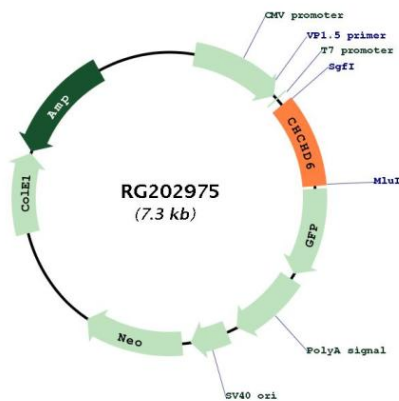
**Locus ID:** 84303

**UniProt ID:** [Q9BRQ6](#)

**Cytogenetics:** 3q21.3

**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 RG202975