OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC203840

CHCHD2 (NM_016139) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CHCHD2 (NM_016139) Human 3' UTR Clone
Symbol:	CHCHD2
Synonyms:	C7orf17; MIX17B; MNRR1; NS2TP; PARK22
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016139
Insert Size:	308 bp
Insert Sequence:	>SC203840 3'UTR clone of NM_016139 The sequence shown below is from the reference sequence of NM_016139. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CAGTGCCGACTTGCAAACGGATTGGCCTAATGAAGAAGTTCAACCTGGAGAGATGGAAAATCAGCTCTC ATAACTAAGTTAATTTAGTATAAAAATAGAATTGATAGTGAGGGTATAAAGTGTAACCATCAGTTAAAC CTCTCCTGTCATTCCTGGCTTCCTTGCTTCAGAATTGAAATGGAAGTGGGGGTGTCCCTACTCTGTAGA ATCTGGGACTGGGCAAATGTTTGTGTGGCCTCCTTAAACTAGCTGTTATGTTATGATTTTATTCTTTGT GAGTTAATTAGAATAAAGTCATTTTCTTCCAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_016139.4

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Summary: The protein encoded by this gene belongs to a class of eukaryotic CX(9)C proteins characterized by four cysteine residues spaced ten amino acids apart from one another. These residues form disulfide linkages that define a CHCH fold. In response to stress, the protein translocates from the mitochondrial intermembrane space to the nucleus where it binds to a highly conserved 13 nucleotide oxygen responsive element in the promoter of cytochrome oxidase 4I2, a subunit of the terminal enzyme of the electron transport chain. In concert with recombination signal sequence-binding protein J, binding of this protein activates the oxygen responsive element at four percent oxygen. In addition, it has been shown that this protein is a negative regulator of mitochondria-mediated apoptosis. In response to apoptotic stimuli, mitochondrial levels of this protein decrease, allowing BCL2-associated X protein to oligomerize and activate the caspase cascade. Pseudogenes of this gene are found on multiple chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Locus ID: 51142

MW: 11.7