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Product datasheet for SC324427

CHCHD3 (NM_017812) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHCHD3 (NM_017812) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHCHD3
Synonyms:	Mic19; MICOS19; MINOS3; PPP1R22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_017812.1
CCTTCTCCTTGCTTCTGGGGGTCGTGGCCTTGCTCCCGCTGTGCGGGAAAAGAATCCAGG
CCCTTCCACGCGCGTGTGGGTGCGGGGGCCCCGAAGTGCTCGTGGTTCCCCGCTAGGTCT
CCGCTGGGGCAGGAACCGGAATCATGGGTGGGACCACCAGCACCCGCCGGGTCACCTTCG
AGGCGGACGAGAATGAGAACATCACCGTGGTGAAGGGCATCCGGCTTTCGGAAAATGTGA
TTGATCGAATGAAGGAATCCTCTCCATCTGGTTCGAAGTCTCAGCGGTATTCTGGTGCTT
ATGGTGCCTCAGTTTCTGATGAAGAATTGAAAAGAAGAGTAGCTGAGGAGCTGGCATTGG
AGCAAGCCAAGAAAGAATCCGAAGATCAGAAACGACTAAAGCAAGCCAAAGAGCTGGACC
GAGAGAGGGCTGCTGCCAATGAGCAGTTAACCAGAGCCATCCTTCGGGAGAGGATATGTA
GCGAGGAGGAACGCGCTAAGGCAAAGCACCTGGCTAGGCAGCTGGAAGAGAAAGACCGAG
TGCTAAAGAAGCAGGATGCATTCTACAAAGAACAGCTGGCTAGACTGGAGGAGAGGAGCT
CAGAGTTCTACAGAGTCACCACTGAACAATATCAGAAAGCTGCTGAAGAGGTGGAAGCAA
AGTTCAAGCGATATGAGTCTCATCCAGTCTGTGCTGATCTGCAGGCCAAAATTCTTCAGT
GTTACCGTGAGAACACCCACCAGACCCTCAAATGCTCCGCTCTGGCCACCCAGTATATGC
ACTGTGTCAATCATGCCAAACAGAGCATGCTTGAGAAGGGAGGATAAAAACTTTCAGAAT
GAGCAAAACACCATCAACGTTAATTCCAGAGATGGAACATTTTTTTTCCTAGTGAGAAAA
CAACCCATTTGAAGAGAAGACCACTAATGAGAAGACCACTAAAGAGAGACATCAAGAATG
GATTCAGCAGAATCATTTCACGTTTTGAACAGCAGCAGTTTGAAGGGCCAAAGCCTTGAT
CAGGGATCAGTCATTAAAGGACACTCTTGAGTATTAGTAAACCCTCTTATGATGATTAAA
AGAGAAGGGCAGCCCTCTCCACCTTTTGGTACTTTCTATTCAACTTGCACTGACCATAAA
ATGTTTCTCTTCTGAACAAGCCCCATCATTTGGTGAACCTCCACCCTAACAAAGTAGGAT
GGGGTTGGGGGCTAAATTAATTGGAGTGGGGCAAGGAGAGAGCCAGAAAACATAGATCCG
AGGGCAGCAGTGCTGGGTGGAGAGAGCCAGAAAACAGATCTGGAGGCAGCAGTGCTGGAT
GGAATTGTCTAGGCTGTGGCATGTTGGTTTTGTCTTTCTTTTCTCCTTTGATTATGTAAG
AGCTATTTCATTATAACTTATTATGGTGATTATACAGGCAAGAAGACAAAAAGGAGAGAA
AATGTACCTCTTCTACTGGAATAATGTTTATGATTACAAGTGAGATAAGGTATTTTTATC
AATATGAAGGCAACCTTGGCTGATAAAACCTCTATAGTGAATACTCACATCTTTACTTCA
CTCACTATCAATAATAAATATATTTTCTGACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_017812

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_017812.1, NP_060282.1
RefSeq Size:	1623 bp
RefSeq ORF:	684 bp
Locus ID:	54927
UniProt ID:	Q9NX63
Cytogenetics:	7q32.3-q33
Gene Summary:	The protein encoded by this gene is an inner mitochondrial membrane scaffold protein. Absence of the encoded protein affects the structural integrity of mitochondrial cristae and leads to reductions in ATP production, cell growth, and oxygen consumption. This protein is part of the mitochondrial contact site and cristae organizing system (MICOS). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.