

Product datasheet for **SC319074**

CCDC56 (COA3) (NM_001040431) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC56 (COA3) (NM_001040431) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC56
Synonyms:	CCDC56; COX25; HSPC009; MC4DN14; MITRAC12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001040431.1
GCAACATGGCGTCTTCGGGAGCTGGTGACCCTCTGGATTCTAAGCGTGGAGAGGCCCCCGT
TCGCTCAGCGTATCGACCCGACTCGGGAGAAGCTGACACCCGAGCAACTGCATTCCATGC
GGCAGGCGGAGCTTGCCAGTGGCAGAAGTCTACCACGGCGGCGAACC CGGAACATCG
TGACCGGCTAGGCATCGGGGCCCTGGTGTGGCTATTTATGGTTACACCTTCTACTCGA
TTTCCCAGGAGCGTTTCCCTAGATGAGCTAGAAGACGAGGCCAAAGCTGCCCGAGCCCGAG
CTCTGGCAAGGGCGTCAGGGTCTAATCTGGATGGGTATTGATCATGTCCAACCTGCTGG
AGCCCCCTCACATGGTGGATGATGCCCCATGACCCTGTAGAAATTGAATCCTGCTCACAA
CATTGTTGGCCTTCTTACTAACCTTGGACCGTGATTGAGCCCAAGAAACCAGGGACTTAC
GCATTTGGCCAATGTCAAAGAACAAGAACTTTGCCACTGCACACTTGTGTGTACAATG
ACTGAGCCCTTTCTGTAGTTTGTTCCTTGTGAGAGGTGTGCATGCGACCGTGGCTT
TTCCCAAAGTTTCTGACTTTGTGGTTTACCCCTTCCACCTTCCAGGGACGCAAGTTGTTAC
GAGGTTAGACGTGGCAGCTCTGTGACGTGTTGAGCCTACAGTGGGATACATAGGGTCAA
ATTGAGAATAATAAACTGAGTCATTCTCTCGGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_001040431
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:	<ol style="list-style-type: none">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:	<u>NM_001040431.1, NP_001035521.1</u>
RefSeq Size:	772 bp
RefSeq ORF:	321 bp
Locus ID:	28958
UniProt ID:	<u>Q9Y2R0</u>
Cytogenetics:	17q21.2
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the cytochrome c oxidase assembly factor family. Studies of a related gene in fly suggest that the encoded protein is localized to mitochondria and is essential for cytochrome c oxidase function. [provided by RefSeq, Nov 2012]