

Product datasheet for **SC102964**

CCNO (AK026075) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNO (AK026075) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCNO
Synonyms:	CCNU; CILD29; UDG2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK026075, the custom clone sequence may differ by one or more nucleotides

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ATGGTGACCCCTGTCCCACCAGCCCTCGAGCCCCGCCGCCGAGCGGGAGGCGGGACAACGACCAGA
ACCTTCGCGCCCCGGTGAAGAAGAGCAGGCGTCCGCGCCTCCGGAGGAAGCAGCCGCTGCATCCCCTGAA
CCCGTGCCCGCTCCCGGGAGACTCCGGCATTTCGCACCTGTTTCGAGTCCCCCAGCTCCGGCTCAGACGGC
GCAGAGAGCCCTCTGCGGCGCGGGTGGTAGCCCCCTGCCGGCCCGGCCAGCCCGTGGCGCAGCTAG
ATCTACAGACCTCCGCGACTACGGCCAGAGCTGCTACGCCTCCGCAAGGCGCAGGAGAGCCACTTCCA
CCCGGGGAGGCGCTGGCAGGCAGCCACAAGTGACGGCGGAATCCCGCTGTAAGCTGCTCAGCTGGCTG
ATCCCGGTGCACCGCAATTCGGCTCTCCTTCGAGTCGCTGTGCCTGACGGTGAACACTCTGGACCGCT
TCCTCACCACCACGCCGGTGGCTGCAGACTGCTTCCAGCTGCTTGGGGTACCTCCTTGCTCATCGCTTG
CAAACAGGTGGAGGTGCACCCGCGCGCGTGAAGCAGTTCTGGCCCTCTGCTGCGGCGCCTTCTCCCGG
CAGCAGCTCTGCAACCTCGAGTGCATCGTGTGCACAAGCTGCACTTCACCCTGGGTGCGCCCACCATTA
GCTTCTTCTGGAGCATTTCACGCACGCTCGCGTGGGGGCGGGGAGGCTGAGGCCTCCGAAGCTCTGGA
AGCGCAAGCCCTGGCGCGGGGGTGGCAGAGCTGAGTCTGGCCGACTATGCCTTCACCAGCTACTCCCCT
TCCCTCCTGGCGATCTGCTGCCTGGCGCTGGCGGACCGCATGCTGCGGTCTCGCGGCCCGTGGACTTGC
GACTGGGAGACCACCCGGAGCGCGCTGGAGGACTGTATGGCAAGTTGCAGCTGCTGGTGCCATAAA
CAGTACTTCTTGACTCACATGCTGCCGTTTCAGATCTGCGAGAAGTGCAGCCTGCCCCGAGCTCGAAA
TAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK026075 unedited</p> <pre>TCAAATTTTGTAAATACGAACTCACTATAGGGCGGCCGCGATTGGCACGAGGTTCCGAGTGC GCGTTTGTGCCCCGCCGACGCCGGGCGTTGAAGGTAGTAAAGCGGCCACCCGGCCGCAT CATGGTGACCCCTGTCCACCAGCCCTCGAGCCCCGCCCGAGCGGGGAGGCGGGA CAACGACCAGAACCTTCGCGCCCCGGTGAAGAAGAGCAGGCGTCCGCGCTCCGGAGGAA GCAGCCGCTGCATCCCCGAACCCGTGCCGCTCCCGGAGACTCCGGCATTTCGACCT GTTTCGAGTCCCCAGCTCCGGCTCAGACGGCGCAGAGAGCCCTCTGCGGCGGGGTGG TAGCCCCCTGCCCGGCCGCCAGCCCTGGCGCAGCTAGATCTACAGACCTTCCGCGA CTACGGCCAGAGCTGCTACGCCTTCCGCAAGGCGCAGGAGGCCACTTCCACCCGCGGA GGCGCTGGCACGGCAGCCACAAGTGAGGTGCTGGTAGAGCCAGCTCCACGCCGCGCTCT TCCTCTCTCCAGGCTCTCTCTCTCTCTGCGGCTCGGCCCTCCGAGCGCCGGGCCG CGACAGCCAGGTCGCCGCCGAGTCGAAGCACAAGGGGCGTGGAGGGGCGTACCAGGC CTCATTTTACAGATGGAGAAAAGTGGGGCGTAGACGGCTTGAGGGACTTGCCCCGCCA AGCTGGCTACTGGGCGACGGTAGAGAGGAATTCGTTTTCGGGTTGAGTCTGGACTCTAC CGAACTCGNGCAAGTTATTTAACACCCCTGAGCTTCTNTCTTCATCTGCAAATGGAACCC CTCCCCTTNTTTTGATGCTGAGCCATACGCAGGTACGTGTCGACGCTCTTGACAGNGC AGGTCATTCCGGGTGTCGCTAGACGGCCAGCGTTTCCAGTCCATGCGTNTCTTGAATC TCTGCCCTTCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK026075 unedited</p> <pre>GGTTTTACTATGNACCGCGCACGCTATCTAAGATCGGTTTTTTTTTTTTTTTTTAAAC AAACCACAAGTGTATTGGTGAAGACTCAGTTCCTCATGTGCTCGTGCAAAAATAAA TAAATACCAGATGCTAGTATCGTACACTATTTACAACCTGCAGCTGACCAAGCAGTCC TGAAGCCTTCTGTGGACCAGTACTGCACTTCTGAGGCTACGGGAGAGGTCCAGCAG CCGGGCCAGGACTAAAAGGAAACGAAGGATCTGTTTTATTTTCGAGCTCGGGGCGAGGCT GCATTCTCGCAGATCTGAACGGGCAGCATGTGAGTCAAGGAAGTACTGTTTATGGCCAC CAGCAGCTGCAACTTGCCCATACAGTCTCCAGCGCCGCTCCGGGTGGTCTCCAGTGC CAAGTCCACGGGCGCGAGACCCGACGATGCGGTCCGCCAGCGCCAGGCAGCAGATCGC CAGGAGGGAAGGGGAGTAGTGGTGAAGGCATAGTCGGCCAGACTCAGCTCTGCCACCC CCGCGCCAGGGCTTGCCTTCCAGAGCTTCGGAGGCTCAGCCTGCCCGCCCTCCACGCG AGCGTGCCTGAAATGCTCCAGGAAGAAGTAATGGTGGGCGCACCCAGGGTGAAGTGCAG CTTGTCAGCACGATGCACTCGAGGTTGCAGAGCTGCTGCCGGGAGAAGGCGCCGAGCA GATGGCCAGAAGCTGCTTACGCGCGGGGTCACCTCCACCTGTTTGNACGAGTGAAG CAAAGGAGTGACCCCAAGCAGCTGGAAGCAGTCTGCAGCCACCGCGTGGTGGTGAAGAA ATCGTCCANAGTGTTCACCGTCAGGCACAGCGACTCGAAGGAGAGCCGAATTGGCGT</pre>
Restriction Sites:	NotI-NotI
ACCN:	AK026075
Insert Size:	1750 bp
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).
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:	AK026075.1 , BAB15351.1
RefSeq Size:	1448 bp
RefSeq ORF:	1053 bp
Locus ID:	10309
Cytogenetics:	5q11.2
Domains:	cyclin_C, cyclin
Gene Summary:	<p>This gene encodes a member of the cyclin protein family, and the encoded protein is involved in regulation of the cell cycle. Disruption of this gene is associated with primary ciliary dyskinesia-19. Alternative splicing results in multiple transcript variants. This gene, which has a previous symbol of UNG2, was erroneously identified as a uracil DNA glycosylase in PubMed ID: 2001396. A later publication, PubMed ID: 8419333, identified this gene's product as a cyclin protein family member. The UNG2 symbol is also used as a specific protein isoform name for the UNG gene (GenelD 7374), so confusion exists in the scientific literature and in some databases for these two genes. [provided by RefSeq, Jul 2014]</p>