

Product datasheet for **SC114963**

NCAPH2 (NM_014551) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCAPH2 (NM_014551) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCAPH2
Synonyms:	CAPH2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014551, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGACGTGGAGGCGCGCTTCGCCACCTCTGCAGCCATCCGCGACCTACCAAGAAGTGGGAGG
TGGACGTGGCGGCCAGCTGGGCGAGTATCTGGAGGAGCTGGATCAGATCTGCATTTCTTTTGACGAAGG
CAAGACCACAATGAACTTCATTGAGGCAGCGTTGTTGATCCAGGGCTCTGCCTGCGTCTACAGTAAGAAG
GTGGAATACCTCTACTCACTCGTCTACCAGGCCCTTGATTTTCATCTCTGAAAGAGGCGGGCCAAGCAGC
TCTCTTCGGTGCAGGAGGACAGGGCCAATGGGGTTGCCAGCTCCGGGTCCCCAGGAGGCAGAGAATGA
GTTCTGTGCTGGATGACTTCCCTGACTCCCGGACTAACGTGGATCTCAAGAATGATCAGACGCCCACT
GAGGTCTCATCATCCCCCTCCTGCCATGGCCCTGGTGGCCCTGATGAAATGGAGAAGAACAACAATC
CCCTGTACAGCCGTCAGGGTGGGTCTGGCCAGCCGGAAGGATTCAGGATGAACACGTGCGTTCCCCA
CCCCAGAGGGGCTTCATGTTGGAGCCAGAGGGCATGTCCCCATGGAACCAGCGGGCGTTTCCCCCATG
CCAGGGACCCAGAAGGACACCGGGAGGACTGAGGAGCAGCCAATGGAAGTTTCCGTGTGCAGGAGCCCTG
TCCCAGCACTCGGCTTCTCCAGGAGCCAGGCCCTCTCCAGAAGGCCCGATGCCCTGGGTGGGGGCGA
GGACGAGGATGCAGAGGAGGCAGTAGAGCTTCTGAGGCCTCGGCCCAAGGCCGCTCTGGAGCCCAAG
GAGTCCAGGAGCCCGCAGCAGGTGGGACCCACATGGAGGCTGCAGAACCTGAGCTGTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014551 unedited GTTCAACATTTTGAATACGACTCACTATAGGGCGGCCGCGNATTCGGCACGAGGCAGAC TAGTGCGGGCTGAGGACGCCGTACCCCTCGGAAGGCAGCCCTGCGGTCCCTTTGCCGCC CGTTCCCTCCCGGACATGGAGGAGTGGAGGCGCGCTTCGCCACCTCTTGCAGCCCATC CGCGACCTACCAAGAACTGGGAGGTGGACGTGGCGGCCAGCTGGGCGAGTATCTGGAG GAGCTGGATCAGATCTGCATTTCTTTTGACGAAGGCAAGACCACAATGAACCTCATTGAG GCAGCGTTGTTGATCCAGGGCTCTGCCTGCGTCTACAGTAAGAAGTGAATACCTCTAC TCACTCGTCTACCAGCCCTTGATTTTCATCTCTGGAAAGAGGCGGCCAAGCAGCTCTCT TCGGTGCAGGAGACAGGGCCAATGGGGTTGCCAGCTCCGGGGTCCCCAGGAGGCAGAG AATGAGTTCCTGTGCTGGATGACTTCCCTGACTCCCGGACTAACGTGGATCTCAAGAAT GATCAGACGCCAGTGGGTCTCATCATCCCCCTCTGCCCATGGCCCTGGTGGCCCT GATGAAATGGAGAAGAACAACAATCCCCTGTACAGCCGTCAGGGTGGGTCTGCCAGC CGGAAGGATTTCAAGATGAACACGTGCGTTCGCCACCCAAAGGGGCCTTCATGTTGGAG CCCAGGCATGTCCCCAGGAACAGCGGGCGTTTTCCCATGCCAGGGACCCAGAAAGA CACCCGGAAGACTGACGAGCAATCAATGGAAGCTTTCGTGTGCCAGGACCCTGTCCCAG CAATCCGGTTTTCTCCAGAAGCCAGCCCTCTCCAAAAGGCCCAATGCCCTCGGGTGGT GGCCAAGACCACGATGCCTAAGGAGCCACCTAACCTCCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_014551
Insert Size:	2210 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:	<u>NM_014551.1</u> , <u>NP_055366.1</u>
RefSeq Size:	1440 bp
RefSeq ORF:	1440 bp
Locus ID:	29781
UniProt ID:	<u>Q6IBW4</u>
Cytogenetics:	22q13.33

Gene Summary:

This gene encodes one of the non-SMC subunits of the condensin II complex. This complex plays an essential role in mitotic chromosome assembly. Alternate splicing of this gene results in multiple transcript variants.[provided by RefSeq, May 2010]

Transcript Variant: This variant (1) encodes isoform 1.