

Product datasheet for **MC228453**

Ncaph2 (NM_001271601) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncaph2 (NM_001271601) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ncaph2
Synonyms:	D15Ertd785
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228453 representing NM_001271601
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGATGTGGAGGTGCGCTTTGCTCACCTCTTGCAGCCCATCCGGGATCTACTAAGAAGTGGGAGG
 TGGACGTGGCGGCACAGCTGGGCGAGTATCTGGAGGAGCTGGACCAGATCTGCATTTCTTTTGTGAAGG
 CAAAACCAACAATGAACCTCATTGAGGCAGCACTGTTGATCCAGGGCTCAGCCTGTGTCTACAGTAAGAAG
 GTGGAGTACCTCTACTCGCTGGTCTACCAGGCTCTCGATTTTATTTCTGGCAAGAGGCGGGCCAAACAGC
 TCTCCTTAGTTCAAGGAGATGGGAGCAAGAAGACTGTCAACTCAGAGACTCCCTGTGAAACAGAGAATGA
 GTTCTGTCACTGGACGACTTCCCTGACTCCCGGGCTAATGTGGATCTGAAAAATGATCAGGCATCCAGT
 GAGCTGCTTATCATACCCTACTGCCATGGCCCTGGTGGCCCTGATGAAGTGGAAAAGAACAGCAGCC
 CCTTGTATAGCTGTCAGGGTGACATCTTGCCAGCCGGAAGGATTCAGGATGAACACGTGTATGCCTAA
 CCCAGAGGCTGCTTTATGTTAGATCCAGTGGGAATGTGCTCTGTGGAGCCTGTGGTGGCCGTGGAGCCA
 TACCCCATGTCAAGGAGCCAGAAAGATCCTGAGGACGCTGAGGAGCAGCCATGGAAGTGTCTAGGAACG
 GGAGTCTGTTCCTGTACCCGACATCTCCAAGAGCCAGATGGTCCAGCGCTCAGCGGTGGAGAGGAGGA
 TGCAGAGGATGGAGCAGAGCCCTGGAGTTGCTCTAGAGCCTGCAGAGCCAAGGACCTCACAGCAGAGT
 GCCATCTTGCCAAGGAGATACATGCTGCGGGAACGACAAGGGGCACCGGAGCCTGCCTCCCGGCTACAGG
 AGACCCAGACCCCTGGCAGAGCCTGGACCCCTTTGACTCCTTGGAACTAAGGTCTCCAGAAAGGGAA
 ACCCTATTCTGTGCCACCCGGTGTGGAGGAGGCTCCAGGACAGAAGCGCAAGAGGAAGGGTGCCACCAAG
 TTGCAGGACTCCACAAGTGGTACCTGGATGCCTATGCTGAACACCCTGACGGCAGGAGGGCTCGGCGGA
 AGGGCCCAACCTTTGCAGACATGGAAGTCTGTACTGGAACATGTGAAAGAACAGCTCGAGACCTTCA
 GAAGCTGCGGAGACGTAAGATCAACGAGAGATGGCTACCTGGGGCCAAGCAGGATCTGTGGCCTACAGAG
 GAGGATCGCTTGAAGAGTCCCTCGAGGACCTCGGGGTAGCAGCAGATGACTTTCTAGAGCCCGAGGAGT
 ACGTGGAGGAGCCTGCGGGGTGATGCCGAGGAAGCTGCTGACCTCGATGCAGAGGCCATGCCAGAGTC
 CCTGAGATACGAGGAGCTGGTCCGAGAAATGTGGAACCTTTCATTGCCACCTCCAGAAGTTTATCCAG
 GAGACAGAGCTGAGCCAACGCATCAGGGACTGGGAAGATACCATCCAGCCCTGCTCCAGGAGCAGGAGC
 AGCATGTGCCCTTTGATATCCATATCTACGGGGACCAGTTGGCTTACGGTTCCCCAGCTCAATGAATG
 GTGTCCCTTTTTCAGAGCTTGTAGCAGGGCAGCCTGCTTTTGGAGTGTGCCGCTCCATGCTGGCCTCCTTG
 CAACTGGCTAATGACTACACAGTGGAGTCACTCAGCAGCCAGGACTGGAGGCAGCTGTGGACACAAATGT
 CTCTGAGACTGCTCACACACCAGCGAGCCACACCCGCTTCCAGACCTATGCTGCACCATCCATGGCCCA
 GCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001271601
- Insert Size:** 1827 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001271601.1](#), [NP_001258530.1](#)

RefSeq Size: 3343 bp

RefSeq ORF: 1827 bp

Locus ID: 52683

UniProt ID: [Q8BSP2](#)

Cytogenetics: 15 44.84 cM

Gene Summary: This gene encodes a component of the condensin-2 complex. The encoded protein may regulate the structure of mitotic chromosomes. Loss of function of this gene disrupts T-cell development. There are two pseudogenes for this gene on chromosome 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]
Transcript Variant: This variant (3) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (c) is longer than isoform a.