

Product datasheet for **MR230565**

Ncaph2 (NM_001271600) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncaph2 (NM_001271600) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ncaph2
Synonyms:	D15Ertd785
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR230565 representing NM_001271600
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGATGTGGAGCTGGACCAGATCTGCATTTCTTTTGTGAAGGCCAAAACCACAATGAACCTTATTG
 AGGCAGCACTGTTGATCCAGGGCTCAGCCTGTGTCTACAGTAAGAAGGTGGAGTACCTCTACTCGCTGGT
 CTACCAGGCTCTCGATTTTATTTCTGGCAAGAGCGGGCCAAACAGCTCTCCTTAGTTTCAGGAAGATGGG
 AGCAAGAAGACTGTCAACTCAGAGACTCCCTGTGAAACAGAGAATGAGTTCCTGTCAGTGGACGACTTCC
 CTGACTCCCGGGCTAATGTGGATCTGAAAAATGATCAGGCATCCAGTGGAGCTGCTATCATAACCCCTACT
 GCCCATGGCCCTGGTGGCCCTGATGAAGTGGAAAAGAACAGCAGCCCTTGTATAGCTGTCAGGGTGAC
 ATCTTGGCCAGCCGAAGGATTTCAAGTGAACACGTGTATGCCTAACCCAGAGGCTGCTTTATGTTAG
 ATCCAGTGGGAATGTGCTCTGTGGACCTGTGGTGGCCGTGGAGCCATACCCCATGTCAAGGAGCCAGAA
 AGATCCTGAGGACGCTGAGGAGCAGCCATGGAAGTGTCTAGGAACGGGAGTCTGTTTCTGTACCCGAC
 ATCTCCAAGAGCCAGATGGTCCAGCGCTCAGCGGTGGAGAGGAGGATGCAGAGGATGGAGCAGAGCCCC
 TGGAGGTTGCTCTAGAGCCTGCAGAGCCAAGGACCTCACAGCAGAGTGCCATCTTGCCAAGGAGATACAT
 GCTGCGGGAACGACAAGGGGCACCGGAGCCTGCCTCCCGGCTACAGGAGACCCAGACCCCTGGCAGAGC
 CTGGACCCCTTTGACTCCTTGAATCTAAGGTCTTCCAGAAAGGGAAACCTATTCTGTGCCACCCGGTG
 TGGAGGAGGCTCCAGGACAGAAGCGCAAGAGGAAGGGTCCACCAAGTTGCAGGACTTCCACAAGTGGTA
 CCTGGATGCCTATGCTGAACACCTGACGGCAGGAGGGCTCGGCGGAAGGGCCCAACCTTTGCAGACATG
 GAAGTCTGTACTGGAACATGTGAAAGAAGCAGCTCGAGACCTTCAAGAGCTGCGGAGAGCTAAGATCA
 ACGAGAGATGGTACCTGGGGCCAAGCAGGATCTGTGGCCTACAGAGGAGGATCGCTTGGAAAGATCCCT
 CGAGGACCTCGGGTAGCAGATGACTTTCTAGAGCCCGAGGAGTACGTGGAGGAGCTGCGGGGGTGATG
 CCCGAGGAAGCTGCTGACCTCGATGCAGAGGCCATGCCAGAGTCCCTGAGATACGAGGAGCTGGTCCGGA
 GAAATGTGGAACCTTTCATTGCCACCTCCAGAAGTTTATCCAGGAGACAGAGCTGAGCCAAACGCATCAG
 GGACTGGGAAGATACCATCCAGCCCTGCTCCAGGAGCAGGAGCAGCATGTGCCCTTGTATCCATATC
 TACGGGGACAGTTGGCTTACGGTTCACCGTTCACCCAGCTCAATGAATGGTGTCCCTTTTCAGAGCTTGTAGCAG
 GGCAGCCTGCTTTTGGGTGTGCCGCTCCATGCTGGCCTCCTTGCACCTGGCTAATGACTACACAGTGA
 GATCACTCAGCAGCCAGGACTGGAGGCAGCTGTGGACACAATGTCTCTGAGACTGCTCACACACCAGCGA
 GCCCACCCCGCTTCCAGACCTATGCTGCACCATCCATGGCCAGCCT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230565 representing NM_001271600
 Red=Cloning site Green=Tags(s)

MEDVELDQICISFDEGKTTMNFIEAALLIQGSACVYSSKVEYLYSLVYQALDFISGKRRAKQLSLVQEDG
 SKKTVNSETPCETENEFLSLDDFPDSRANVDLKNDAQSELLIIPLLPMALVAPDEVEKNSSPLYSCQGD
 ILASRKDFRMNTCMPNPRGCFMLDPVGMCPVEPVVPEPYPMRSQKDPEDAEEQPMVSRNGSPVPVDP
 ISQEPDGPALSGGEEDAEDGAEPLEVALEPAEPRTSQQSAILPRRYMLRERQGAPEPASRLQETPDPWQS
 LDPFDSLESKVFQKGPYSVPPGVVEAPGQKRKRKATKLDQDFHKWYLDAYAHPDGRRRARRKGPFTADM
 EVLYWKHVKEQLETLQKLRRRKINERWLPGAKQDLWPTEEDRLEESLEDLGVADDFLEPEEYVEEPAGVM
 PEEAADLDAEAMPESLRYEELVRRNVELFIATSQKFIQETELSQIRDWEDTIQPLLQEQQHVFPDIHI
 YGDLASRFPQLNEWCPFSELVAGQPAFEVCRSMLASLQLANDYTVETIQQPGLEAAVDTMSLRLLTHQR
 AHTRFQTYAAPSMAQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001271600

ORF Size: 1728 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001271600.1](#), [NP_001258529.1](#)

RefSeq Size: 3247 bp

RefSeq ORF: 1731 bp

Locus ID: 52683

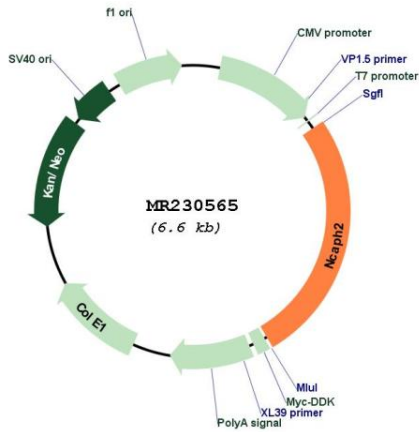
Cytogenetics: 15 44.84 cM

MW: 65.8 kDa

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]

Product images:



Circular map for MR230565