

Product datasheet for **MR208828**

Ncaph2 (NM_001115132) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncaph2 (NM_001115132) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ncaph2
Synonyms:	D15Erttd785
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208828 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCTCATTGAGGCAGCACTGTTGATCCAGGCTCAGCCTGTGTCTACAGTAAGAAGGTGGAGTACC
 TCTACTCGCTGGTCTACCAAGCTCTCGATTTTATTCTGGCAAGAGGCGGCCAAACAGCTCCTTAGT
 TCAGGAAGATGGGAGCAAGAAGACTGTCAACTCAGAGACTCCCTGTGAAACAGAGAAATGAGTTCCTGTCA
 CTGGACGACTTCCTGACTCCCGGGCTAATGTGGATCTGAAAAATGATCAGGCATCCAGTGGAGTCTTA
 TCATACCCTACTGCCATGGCCCTGGTGGCCCTGATGAAGTGGAAAAGAACAGCAGCCCTTGTATAG
 CTGTCAGGGTGACATCTGGCCAGCCGGAAGGATTTAGGATGAACACGTGTATGCCTAACCCAGAGGC
 TGCTTTATGTTAGATCCAGTGGGAATGTGCTGTGGAGCCTGTGGTCCCGTGGAGCCATACCCATGT
 CAAGGAGCCAGAAAGATCCTGAGGACGCTGAGGAGCAGCCATGGAAGTGTCTAGGAACGGGAGTCTGT
 TCCTGTACCCGACATCTCCAAGAGCCAGATGGTCCAGCCTCAGCGGTGGAGAGGAGGATGCAGAGGAT
 GGAGCAGAGCCCTGGAGTTGCTCTAGAGCCTGCAGAGCCAAGGACCTCACAGCAGAGTCCATCTTGC
 CAAGGAGATACATGCTGCGGGAACGACAAGGGGACCCGGAGCCTGCCTCCCGGCTACAGGAGACCCAGA
 CCCCTGGCAGAGCCTGGACCTTTTACTCCTTGGAACTAAGGTCTTCCAGAAAGGAAACCCTATTCT
 GTGCCACCCGGTGTGGAGGAGGCTCCAGGACAGAAGCGCAAGAGGAAGGGTGCCACCAAGTTGCAGGACT
 TCCACAAGTGGTACCTGGATGCCTATGCTGAACACCTGACGGCAGGAGGGCTCGGCGGAAGGGCCCAAC
 CTTTGCAGACATGGAAGTCTGTACTGAAACATGTGAAAGAACAGCTCGAGACCCTTCAAGAGTGGCG
 AGACGTAAGATCAACGAGAGATGGTACCTGGGCAAGCAGGATCTGTGGCCTACAGAGGAGGATCGT
 TGAAGAGTCCCTCGAGGACCTCGGGTAGCAGATGACTTTCTAGAGCCGAGGAGTACGTGGAGGAGCC
 TCGGGGGTGTATGCCCGAGGAAGCTGCTGACCTCGATGCAGAGGCCATGCCAGAGTCCCTGAGATACGAG
 GAGCTGGTCCGGAGAAATGTGGAACCTTTCATTGCCACCTCCAGAAAGTTTATCCAGGAGACAGAGCTGA
 GCCAACGCATCAGGGACTGGGAAGATACCATCCAGCCCTGCTCCAGGAGCAGGAGCAGCATGTGCCCTT
 TGATATCCATATCTACGGGGACAGTTGGCTTACGGTCCCGCAGCTCAATGAATGGTGTCCCTTTTCA
 GAGCTTGTAGCAGGGCAGCCTGCTTTTGGGTGTGCCGCTCCATGCTGGCCTCCTTGCAACTGGTAATG
 ACTACACAGTGGAGTCACTCAGCAGCCAGGACTGGAGGCAGCTGTGGACACAATGTCTCTGAGACTGCT
 CACACACCAGCGAGCCACACCCGCTTCCAGACCTATGCTGCACCATCCATGGCCAGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208828 protein sequence
 Red=Cloning site Green=Tags(s)

MNFIEAALLIQGSACVYKVEYLKSLVYQALDFISGKRRKQQLSLVQEDGSKKTVNSETPCETENEFLS
 LDDFPDSRANVDLKNQASSELLIIPLLPMALVAPDEVEKNSSPLYSCQGDILASRKDFRMTCPNPRG
 CFMLDPVGMCPVEPVVPEYPMRSRQKDPEDAEQPMVSRNGSPVPVDPISQEPDGPALSGGEEDAED
 GAEPLEVALEPAEPRTSQQSAILPRRYMLRERQGAPEPASRLQETPDWQSLDPFDSLESKVFQKGPYS
 VPPGVVEAPGQKRKRKQATKLQDFHKWYLDAYAEHPDGRARRKGPFTADMEVLWKHVKEQLETLQKLR
 RRKINERWLPQAKQDLWPTEDRLEESLEDLGVADDFLEPEEYVEEPAGVMPEEAADLDAEAMPESLRYE
 ELVRRNVELFIATSQKFIQETELSQIRIDWEDTIQPLLQEQEQHVPFDIHIYGDQLASRFPQLNEWCPFS
 ELVAGQPAFEVCRSMLASLQLANDYTVEITQPGLEAAVDTMSLRLLTHQRAHTRFQTYAAPSMAQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001115132

ORF Size: 1674 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 Size: 3340 bp

RefSeq ORF: 1824 bp

Locus ID: 52683

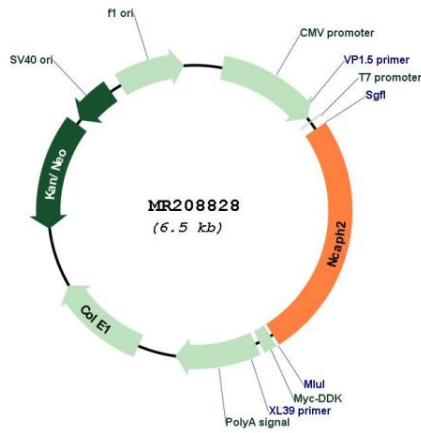
UniProt ID: [Q8BSP2](#)

Cytogenetics: 15 44.84 cM

MW: 63.2 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 MR208828