

Product datasheet for **RC202841**

NECAP2 (NM_018090) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NECAP2 (NM_018090) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NECAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202841 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGAGCGGGTACGAGTCGGTGCTCTGTGTCAAGCCTGACGTCCACGTCTACCGCATCCCTCCGC
GGGCTACCAACCGTGGCTACAGGGCTGCGGAGTGGCAGCTGGACCAGCCATCATGGAGTGGCCGGCTGAG
GATCACTGCAAAGGGACAGATGGCCTACATCAAGCTGGAGGACAGGACGTCAGGGGAGCTCTTTGCTCAG
GCCCGGTGGATCAGTTTCCCTGGCACAGCTGTGGAGAGTGTGACGGATTCCAGCAGGTAATTCGTGATCC
GCATCGAAGATGGAAATGGGCGACGGGCTTTATTGGAATTGGCTTCGGGGACCGAGGTGATGCCTTTGA
CTTCAATGTTGCATTGCAGGACATTTCAAGTGGGTGAAACAGCAGTGTGAATTTGCAAAAACAAGCCAG
AACCCAGACCAAGGCCCTAAACTGGACCTGGGCTTCAAGGAGGGCCAGACCATCAAGCTCAACATCGCAA
ACATGAAGAAGAAGGAAGGAGCAGCTGGGAATCCCGAGTCCGGCCTGCCAGCACAGGAGGGCTGAGCCT
GCTTCCCCTCCCCAGGGGGAAAACCTCCACCCTGATCCCTCCCCTGGGGAGCAGTTGGCTGTGGG
GGATCCCTCGTCCAGCCAGCAGTTGCTCCAGTTCAGGAGGTGCTCCTGTACCCTGGCCACAGCCCAATC
CTGCCACTGCTGACATCTGGGGAGACTTACCAAATCTACAGGATCAACTCCAGCCAGACCCAGCCAGG
CACAGGCTGGGTCCAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202841 protein sequence
Red=Cloning site Green=Tags(s)

MEESGYESVLCVKPDPVHVYRIPPRATNRGYRAAEWQLDQPSWSGRLRITAKGQMAYIKLEDRTSGELFAQ
 APVDQFPGTAVESVTDSSRYFVIRIEDGNRRAFIGIGFGDRGDADFDFNVALQDHFKWKVQCEFAKQAQ
 NPDQGPKLDLGFKEGQTIKLNIANMKKKEGAAGNPRVRPASTGGLSLLPPPPGGKSTLIPPPGEQLAVG
 GSLVQPAVAPSSGGAPVWPQPNPATADIWGDFTKSTGSTSSQTQPGTGWVQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018090

ORF Size: 789 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_018090.5](#)

RefSeq Size: 2092 bp

RefSeq ORF: 792 bp

Locus ID: 55707

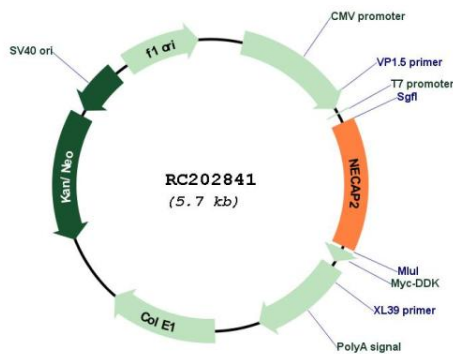
UniProt ID: [Q9NVZ3](#)

Cytogenetics: 1p36.13

MW: 28.3 kDa

Gene Summary: This gene likely encodes a member of the adaptin-ear-binding coat-associated protein family. Studies of a similar protein in rat suggest a role in clathrin-mediated endocytosis. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RC202841