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Product datasheet for RR201885

Necap1 (NM_001029919) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Necap1 (NM_001029919) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Necap1
Synonyms:	RGD1306053
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR201885 representing NM_001029919
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGGAGCTGGAATACGAGTCTGTGCTGTGTGTGAAGCCCGACGTCAGCGTCTACCGGATTCCGC
CGCGGGCCTCCAACCGCGGTTACAGGGCATCTGACTGGAAGCTAGACCAGCCTGATTGGACTGGTCGCCT
CCGAATCACTTCAAAAGGGAAGATTGCCTACATCAAACTGGAAGATAAAGTTTCAGGGGAGCTCTTCGCT
CAGGCGCCAGTAGAGCAGTACCCTGGGATTGCTGTGGAGACTGTGGCCGACTCCAGCCGCTACTTTGTGA
TCAGGATCCAGGATGGCACCGGGCGCAGTGCGTTTATTGGCATCGGCTTCACGGACCGGGGAGATGCCTT
CGACTTTAATGTCTCCCTGCAAGATCACTTCAAGTGGGTAAAGCAGGAAACCGAGATCTCCAAAGAATCG
CAGGAAATGGATAGTCGTCCCAAGTTGGATTTAGGCTTCAAGGAAGGGCAAACCATCAAGCTGAGTATTG
GGAACATTACAGCCAAGAAAGGGGGTACTTCTAAGCCCCGGGCCTCAGGAACGGGGGGCCTGAGCTTACT
CCCACCTCCTCCTGGAGGCAAAGTCACTATCCCCCCACCGTCCTCCTCCGTTGCCATCAGCAACCACGTC
ACCCCACCACCCATTCCAAAATCTAACCATGGAAGTAATGATTCAGATATCCTGTTAGATTTGGATTCTC
CAGCTCCTGTCCCGACTTCAGCACCAGCTCCAGCTCCAGCTTCTACAAGCAATGACTTGTGGGGAGACTT
TAGCACTGCATCCAGCTCTGTTCCAAACCAGGCACCACAGCCATCTAACTGGGTCCAGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RR201885 representing NM_001029919
Red=Cloning site Green=Tags(s)

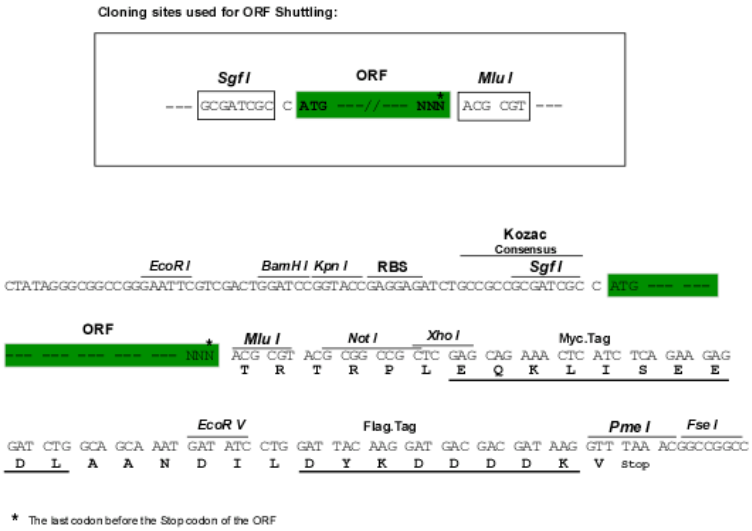
MAAELEYESVLCVKPDVSVYRIPPRASNRGYRASDWKLDQPDWTGRLRITSKGKIAYIKLEDKVSGELFA
QAPVEQYPGIAVETVADSSRYFVIRIQDGTGRSAFIGIGFTDRGDAFDFNVSLQDHFKWVKQETEISKES
QEMDSRPKLDLGFKEGQTIKLSIGNITAKKGGTSKPRASGTGGLSLLPPPPGGKVTIPPPSSSVAISNHV
TPPPIPKSNHGSNDSDILLDLDSPAPVPTSAPAPAPASTSNDLWGDFSTASSSVPNQAPQPSNWVQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001029919

ORF Size: 831 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).

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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_001029919.2, NP_001025090.1

RefSeq Size: 2459 bp

RefSeq ORF: 834 bp

Locus ID: 312694

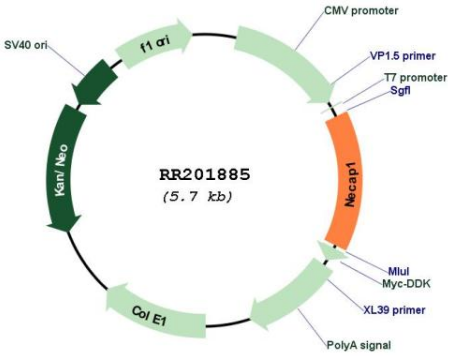
UniProt ID: P69682

Cytogenetics: 4q42

MW: 29.8 kDa

Gene Summary: Involved in endocytosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR201885

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