

Product datasheet for **RR202510**

Nagpa (NM_001108265) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Nagpa (NM_001108265) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Nagpa |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR202510 representing NM_001108265
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGCCAGGGGGCCGGGCTGTTCTTCAAACCCGCGCTGCTCGTGGTGGGTGGCGTGGT
 GCAGCTTAGGCTTCGGGTTTCCGAGACGATGACCTGCTGCTTACCCACTCGCGCGAGAGTCC
 CTCGCGGGACTGCGCCCGGGTGCACGCAGGCAGCCAGAACAGGAGAGCTGGCCTCCGCCACCCACGAAC
 CCCGGCGCACCCACCGCGCGGCGTGCACACTTTGTGTGCGACTTCGAGGGACGCGCGGTGGCCGGCC
 ACCTGACGCGGGTGGTGACCCCTACGCACTTTCTCGGTGCTGGAGCCGGGAGGACCCGGAGGCTGCGC
 GCAGAGGCGTTCGCTACTGTGGAGACACAGCCGTCGCCGCGGTTGCCGCGTTCGCTCAGAACGGTGGC
 TTCTCCGCATGGGACTGGCGAGTCTGGGGAATGTGGTGGAGCAGCGCGGCTGGTGGAGCAGCTCTG
 GGGACTGCAGAACGCTCAGTTCGGTATCCGACGCGACGGGACCTTAGTACCGGGTACCTGTCTGAGGA
 GGACGCTCTGGACAGGTGAACCAATTCGTGCAGCTACTGAGCGGAGTGGTATGGCTCATCCGTAATGGA
 AGCATCTACATCAACGAGAGCCAAATCACCGAGTGCAGTGCAGCAGGAGACAGGTTCTTTCAGCAAAAT
 TTGTGAACGTGATGTCAGCCAGGACAGCCGTGGGTGATGACCGTAAGGGGCGACTTATACTTCCACGC
 GGACGGACAGACGGAGCAGCGTGGCCTCAACCTGTGGGAGATGGCAGAGTTCTGCTGAAACAAGACGTG
 GTCAATGCCATCAACCTGGATGGAGCGGTTCTGCCACCTTTGTGCTCAATGGGACCTAGCCAGTTACC
 CCTCAGATCACTGCCAGGACAACATGTGGCGCTGTCCCGCCGTGTTTCCACTGTGGTATGTGTGCATGA
 ACCCGCTGCCAGCCACCAACTGCAGCGGCCATGGGACTGTGTGGATGGCCGTTGTGAATGCACCAGC
 CACTTCTGGCACGGTGAAGCCTGCAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
 GCACAGAGACTGGCTGCAGGTGTGATGCTGGGTGGACAGGATCCAACTGCAGTGAAGAGTGCCTCTGGG
 CTGGTATGGGCCAGGTTGCCAGAGGCCTTGCCAGTGCAGCAGCAGCGTCCCTGTGACCCCGAGACTGGC
 AACTGCAGCATCTCCAAGTGAAGCAGTGTCTCCAGTCAACTGAGGCCCCACCGAGGGCAGGAGGGCTGG
 CCTCTTTCACCGGGACCGTGGCTGGCACTTACCCTCATCCTAATTTTCTGCTGCTGATCAGCACGGC
 CGTCAACGTGTCTTGTCTCTGGCTCCCGGCAGAGAGGAACCGGCACCTCGACGGGGACTACGTGTAC
 CACCCACTGCAGGAGGTGAACGGGGACGCGCTGGCTGCAGAGAAGGAGCAAACAGAGGAACTTGAACCC
 CCTCAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202510 representing NM_001108265
 Red=Cloning site Green=Tags(s)

MAAPRGPLFFKALLGLLGVAWCSLGFVSRDDLLLPYPLARRRPSRDCARVHAGSPEQESWPPPTN
 PGASHRAAVRTFVSHFEGRAVAGHLTRVADPLRTFSVLEPGGPGGCAQRRRATVEDTAVPAGCRVAQNGG
 FFRMGTGECLGNVSDGRLVSSSGLQNAQFGIRRDGTLVTGYLSEEDVLDTVNPFVQLLSGVVWLIRNG
 SIYINESQITECDETEQETGSFSKFVNVMSARTAVGHDRKGQLILFHADGQTEQRGLNLWEMAEFLKQDV
 VNAINLDGGGSATFVLNGTLASYPDHQDNMWRCPRRVSTVVCVHEPRCQPPNCSGHGTCVDGRCECTS
 HFWHGEACSELNCGPSNCSQHGLCTETGCRCDAGWTGSNCSEECPLGWYGPQCQPCQCEHQRPCDPQTG
 NCSI SQVKQCLQSTEAPPRAGGLASFTGTTWLALTLILIFLLLI STAVNVSLLLGSAERNRHLGDYVY
 HPLQEVNGDALAAEKEQTEETCNPFKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

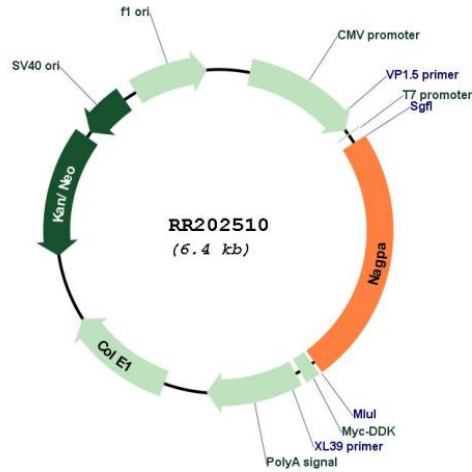
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001108265

ORF Size: 1551 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_001108265.1](#), [NP_001101735.1](#)

RefSeq Size: 2140 bp

RefSeq ORF: 1554 bp

Locus ID: 360476

Cytogenetics: 10q12

MW: 55.8 kDa