

## Product datasheet for **RR217736**

### Numa1 (NM\_001100691) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Numa1 (NM\_001100691) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Numa1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR217736 representing NM\_001100691  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGACACTCCATGCCACCCGCGCATCTACTCTCCTCTCTGGGTGAACAGTCTGCATGTTGCTGACCCAG  
 TGGAGACAGTGTGCAGCTCCAGGACTGCAGCATCTTCATCAAGATTATTAACAGCATCCATGACACTAA  
 AGAGGGCAACAATCCTACAGCAGCCACTGCCGAAAGACTAGACTTTGTTTGCAGTTTCTACAGAAA  
 AATCGGAAGCATCCTTCATCTACACAATGCCTGGTATCTGTGCAGAAAGTATGGAGGGCTCCGAGATGG  
 AACTGGCCAAGATGGTAATGCTATTTTTATATCACTCCACCATGAGCTCCAGAAACCCCGGACTGGGA  
 GCAGTTTGAATATGGGTTTCAAGCTGAGTTGGCTGTCATCCTGAAGTTTATGCTGGATCACGAGGATTCA  
 CCTAACCTTACTGAGGACTTGGAGAATTTCTTGGAGAAAGTTCCCTCCACCTACCCAGCACCCCTCTCTG  
 AAGAGCTTTCTCCACCCAGCCACCAGGCCAAGAGGAAGATTGCTTCTAGAAATACAGAGGATTGCTTC  
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 CAGTTCAGATGAGGCGACTGAAGAAGCAGCTGGCAGATGAGAGGAACAACAGGGATGAGCTGGAGCTAG  
 AGCTGTCTGAGAGCCTCAAGCTCCTCACGAGAAGGACGCTCAGATCGCCATGATGCAGCAGCCATCGA  
 CCACCTGGCTCTGCTGAATGAGAAGCAGGACGCCAGCCCCAGGAGCCAGCGAAGTTGAGGAGCTCCGT  
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 AGCTGACCAGCCTGAAAGAACAGGCCAAAAGGAACAGGCTCAGATGTTACAGACCTTGAAGAGCAAGA  
 ACAGGCTGCCAGGGCTCCGCCAGCAGGTGGAGCAGCTGAGCAGCAGCCTGAAGCTGAAGGAGCAGCAA



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TTGGAAGAGGCAGCCAAGGAGCAGGAGGCCAGGCAGGATCACGCCAGCAACTGGCCACCATTGTTG  
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AGCATCCTTAACACCCAAAGAGCTGGGAAATAGCCTTCTACGGCAGGAACTTCAAAGAAGACCCAG  
CAAAGTTTCCCAATCTCGCAGTGAACCCGCGCTCTCCACGCATCGCCACCACCAGGCTGGTGC  
TGCTACTGCTGCCACCACTCTCGGGCCAAGGCAAGGCAAGCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGAT AAGTTTAA

**Protein Sequence:**

>RR217736 representing NM\_001100691  
Red=Cloning site Green=Tags(s)

MTLHATRSTLLSWVNSLHVADPVETVLQLQDCSIFIKIINSIHDTKEGQQILQQPLPERLDFVCSFLQK  
NRKHPSSTQCLVSVQKVMSEMEELAKMVMLFLYHSTMSRNPRDWEQFEYGVQAEALAVILKFMLDHEDS  
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QFQMRRLKQLADERNRDELELELSESLKLLTEKDAQIAMMQRIDHLALLNEKQAASQPSELEELR  
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QEWAEKQAHLESELSTALQDKKCLEEKSEILQEKISQLEDRAAQLQGSPAPEKGEVLDALQDLTLKQEA  
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SVTQAQREKAELSQKIGELHACIEAAHQEQRAQAHVTELEAQLKAEQQKATEREKVVQEKVQLQEQQA  
LEETLKIYRGSLEEEKCRADALKEQQRHATEMEATRHLMEQREQEKELEQEKAERKGLLEARLQLEE  
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QEEQKEAGEIHGEGQTGQQSQAQLHACLAALQVQVEKARAQKLLDDL SALREKMAATNKEVACLKA  
LVLKAGEQQAASHLEKPPRAGNQESDWEQARPLGSTQAALKAVQREAEQMGGELERLRAALMQSQG  
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QELAKLREQEAQI SELKALQQTLEELKKKEKEHPTGGARGEDASGDGPGSOLHTPGKTEAPGPEVEALR  
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FQKEQAL SALQLEHTSTQALVSELLPAKHLCCQLQAEQAAAEKRFREEIEQSKQAAGGLQAEMLRAQREL  
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LREQLQDLEQLQKDNKELRSETERL GRELQQAGLKTKEAEQACRHLTAQVRSLEAQVAHADQQLRDLGKF  
QVATDALKSREPQVQPLDLSIDSLDLSLEEGTPCSVASKLPRTPDGTSPVGPASPISQRLPPKVESL  
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APASQANLRATSSQSLARL GSPDSDNSALLSLPGYRPTTRSSARRSQTTRTSSGAPHGRNSFYMGTCQDE  
PEQVDDWNRIAEQLQRNRVCPPLKTCYPLESRPALSLATITDEEMKTDGDPRETLRRASMQPAQIAEGAG  
ITTRQQRKRVSSETHQGPPTPEKSKATSCFPRPMTPRDRHEGRKQNSTADAQKKAAPVLKQSDRRQSMF  
SILNTPKKLGNLRRGTSKKTPAKVSPNPRSGTRRSPIATTTAGAATAATTPRAKGAKH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



**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\_001100691.1, NP\_001094161.1

**RefSeq Size:** 7793 bp

**RefSeq ORF:** 6279 bp

**Locus ID:** 308870

**Cytogenetics:** 1q32

**MW:** 235 kDa