

Product datasheet for **RR215427**

Clu1 (NM_001033071) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clu1 (NM_001033071) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Clu1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215427 representing NM_001033071
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCCCACTCTTTGTGATTTCTGTGTATCTGTTATGGTTGAAATATTGTGACAGTGCACCTACTT
GGAAGGAGACAGATGCTACGGATGGAAACCTAAGAGTCTTCCAGAGGTAGGAGAGGCAGATGTAGAGGG
AGAGGTCAAGAAGGCTTTGATTGGCATTAAAGCAATGAAAATCATGATGGAAAGGAGAGAGGAAACAC
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TGCAAGAACGTCTGGAGGAAGAAGAAAAGCTATGTCAGGCATCTTCTATAGGTTCTTGGGATGGATGCAG
GCCATGTTGGAAAGTAAGTGCATACGATTTTATACAGCTTGCCAACTGGTTGGTCTCTGTGAAAAGC
ATGATGAAGCAATTTCTCAAGAAGATATACCGATTTCTGTCTTCCAGAGTGAAGATGTAAGGATCCCC
CTGCCATAGAACAGCTGACTAAGGAAGATTTACAAGTGGTACACATAGAGAACCTGTTTAGCCAGCTGGC
CGTGGATGCAAAATCTCTTCAACATGAGCTTTTACATTTTAAAGCAGATGCAGCAAGAATTTGATCAG
GCTTTTCAATTACTTTCATGTCCGATGTGGACTTAATGGAGCCATACCCCCAGCTTTATCTAAAGAGA
TAACCAAAAAAGAAGAACTTGGGCAAAGGTGGGGCATTCCAATGTCTTCCAGCTGTTTCATAATTTGATCAG
TCTCTCTGTTTATGGGAGAGTCCAACAAATAATAATGAAGACACTCAATGCAATTGAAGATTCATGGGAA
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AGGAATTTGTCAAGAATTTATCTGGATGTTTAAATTTTCGTAAGAGATGCCAAAAATGTCACAATTACCT
ATCTGAAGAAATGCCCTGATGTACCTGAAGTACACATAGAAATTCCTTGAGGCCCTGAAATAGTCAATGTA
TCCAATCAGCAATATGATCAGATTGTCAGATGACCCAGTATCATTTGGAAGATACCATATACCTGATGG
AGAAAAAGCAAGAGCAGTTTGGATGGGTGTCTCAACTGGCAAGCCATAACCCAGTACTGAGGACATCTT
TAATTCACAAAAGGCAGTTCCAAGATTCATGGAGGAGATTCTTCCAAGCAGGATGAAATATGGTAGAC
TCAAGCAGCATTCTGCTTCTCTAACTTCAACGTCAGAAATCCTCTGAAGAAGGTGCTGAGAGCTCAA
ATGTTATTTACTACATGGCAGCTAAAGTTCTGCAGCATCTAAAGGGATGTTTTGAAACTTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR215427 representing NM_001033071
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MQPPLFVISVYLLWLKYCDSAPTWKETDATDGNLKSLEPEVGEADVEGEVKKALIGIKQMKIMMEREEEEH
 AKLMKALKKKCKEEKQEAQKLMNEVQERLEEEELCQASSIGSWDGCPCLESNCIRFYACQPGWSSVKS
 MMKQFLKKIYRFLSSQSEVDKPPAIEQLTKEDLQVHHIENLFSQLAVDAKSLFNMSFYIFKQMQQEFDQ
 AFQLYFMSDVDLMEPYPPALSKIEITKKEELGQRWGI PNVFQLFHNFSLSVYGRVQQIIMKTLNAIEDSWE
 PHKELDQRGMTSEMLPEQNGEMCEEFVKNLSGCLKFRKRQKCHNYLSEPCDPVELHIEFLEALKLVNV
 SNQQYDQIVQMTQYHLEDTIYLMKMQEQFGWVSQLASHNPVTEIDFNSTKAVPKIHGGDSSKQDEIMVD
 SSSILPSSNFTVQNPPEEGAESSNVIYYMAAKVLQHLKGFETW

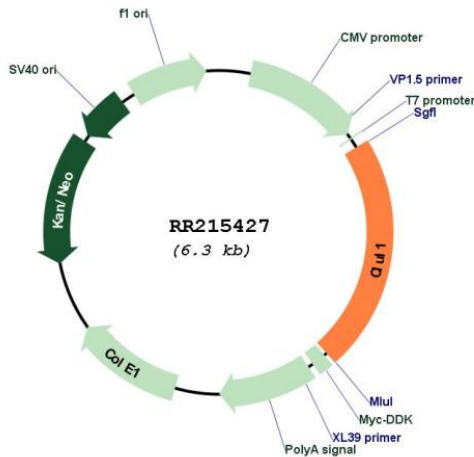
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



| | |
|-------------------------------|---|
| ACCN: | NM_001033071 |
| ORF Size: | 1392 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: | <ol style="list-style-type: none">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_001033071.1 , NP_001028243.1 |
| RefSeq Size: | 1443 bp |
| RefSeq ORF: | 1395 bp |
| Locus ID: | 367345 |
| UniProt ID: | Q3ZRW7 |
| Cytogenetics: | 9q38 |
| MW: | 53.7 kDa |