

Product datasheet for **RR216413**

Cln5 (NM_001191689) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cln5 (NM_001191689) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cln5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216413 representing NM_001191689
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCGCTGGGGCCAGGCGGAGCGCACTGGCGCCCGCGCTCGCGCTGGCGCTGCTGGGGCTGGCGG
CCACTCTGGGCGCGTCCCCGACGTCTGGCAACGCTGGCCGTACCCTACAAGCGCTTCTCCTCCGTCC
GAAGACAGATCCCTTCTGTCAAGCCAAGTATACTTTCTGCCCTACTGGCTCACCCATCCCAGTTATGAAG
GACAATGACGTCATCGAAGTCTTAAGGCTACAAGCCCCTGTTTGGGAATTTAAATATGGAGACCTCCTGG
GACACTTCAAAATCATGCACGATGCCATTGGATTGAGGATACGCTGACGGGCAAGAAGTACACAGTTGA
ATGGTATGAGCTTTCCAGCTCGGCAACTGTACATTTCCACCTTCGGCCGAAGTGAACGCTCCGTTT
TGGTGTAAACCAGGGGCGAGCCTGCTTTTGAAGGAATTTACGATAAACTGGAAGGAAAACGGGACGT
TGTCGCTGGTTGCAACCGTATCCGAAACACGTTTAAACAAAGTGGCCGAGTGGGTGAAGCAGGACAATGA
GACTGGGATTTATTACGAGACATGGACAGTCCGGGCCAGCCAGGAAAAGGGGCGCAGACATGGTTTGAA
TCCTACGACTGTTCAAATTTTGTCTTAAGGACATATGAGAAATTTGGCTGAATTTGGAACAGATTTCAAGA
AGATAGAAACAACTATACGAAAATATTTCTTTACAGCGGAGAACCGATTTACTTGGGAAATGAAACGTC
TATTTTTGGGCCAAAGGAAACAAGACCCTTGCTTTGGCCATAAAAAATTTTACGGCCCTTCAAACGG
TATTCGTAACCAAGATTTTCTGTTGAATTTCTTGAATTTTGGACACAGTGATTATGCACAGAGAGT
TCTACCTGTTTTATACTTTGAGTATTGGTTTCTACCTATGAAACCCCTTTGTCAAATAACGTACGA
GGAACCCCTTTACCTACCAACATACGACATTTACCGACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216413 representing NM_001191689
 Red=Cloning site Green=Tags(s)

MPRVGGGAHWRPALALALLGLAATLGASPTSGQRWVPVYKRFSFRPKTDPFCQAKYTFCTGSPIPVMK
 DNDVIEVLRQLQAPVWEFKYGDLLGHFKIMHDAIGFRSTLTGKNYTVWEYELFQLGNCTFPHLRPEVNAPF
 WCNQGAACFFEGIYDKHWKENGTLVLVATVSGNTFNKVAEWWKQDNETGIYYETWTVRASPGKGAQTWFE
 SYDCSNFVLRITYEKLAIEFGTDFKKIETNYTKIFLYSGEPIYLGNETSIFGPKGNKTLALAIKKFYGPFKR
 YSSTKDFLLNFKIFDVTIMHREFYLFYNFEYWFLPMKPPFVKITYEETPLPTQHTTFTDL

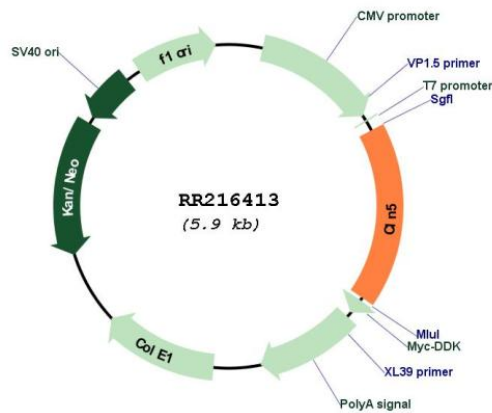
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191689

ORF Size:	1023 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_001191689.1 , NP_001178618.1
RefSeq Size:	2549 bp
RefSeq ORF:	1026 bp
Locus ID:	306128
Cytogenetics:	15q23
MW:	39.3 kDa