

Product datasheet for **RR212338**

Clint1 (NM_001002022) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clint1 (NM_001002022) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clint1
Synonyms:	Clint; Enth; Epn4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212338 representing NM_001002022
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAACATGTGGAAGGTGCGGGAGCTGGTGGACAAAGCCACCAATGTGGTTATGAATTATTCAGAGA
 TCGAGTCCAAAGTTCGAGAAGCAACGAATGATGATCCTTGGGGACCTTCTGGGCAGCTCATGGGAGAGAT
 TGCCAAGGCTACTTTTATGTATGAACAGTCCCAAGAACTTATGAACATGCTTTGGTCCCGAATGCTAAAA
 GACAACAAAAAGAATTGGAGAAGAGTTTATAAGTCGTTGCTGCTCCTAGCTTACCTCATAAGAAATGGAT
 CGGAGCGAGTTGTTACAAGCGCCAGAGAACACATTTATGATTTGCGATCCCTGGAAAATTACCACTTTGT
 AGATGAGCATGGCAAGGATCAAGGTATAAACATCCGACAGAAAGTGAAGGAGCTGGTTGAGTTGCACAG
 GATGATGACAGACTTCGAGAGGAGAGGAAGAAAGCAAAGAAGAACAAGACAAGTATGTCGGGGTCTCCT
 CAGACAGCGTTGGCGGATCCGATACAATGAACGGTATGACCCTGAGCCCAAGTCCAAATGGGACGAAGA
 GTGGGATAAGAACAAGAGTGCCTTTCCATTCAGTGACAAGCTAGGGGAGCTGAGCGACAAGATCGGGAGC
 ACAATCGACGACACCATCAGCAAGTCCCGAGGAAAGACCAGGGAGGACTCTCCGAAAGGTGCAGTGACA
 GCGATGAGGAAAAGAAAGCAAGGAGAGGCAAGTCTCCAAAGGTGAATCAAAGATGAAGAGGAGACGGT
 GACGACGAAGCACATCCACATCACACAGGCCACAGAGACCACCACCACCCGGCACAAGCGCACAGCAAAC
 CCTTCCAAAACATCGATCTTGGAGCAGCAGCATTACACAGGGGACAAAGCCAGCCAGATCAAAACG
 CTTCAACCCACACGCCTCAGTATCAGCGAAGCCATCCGTGCCGAGCAGCAAGTATCAGGGGACCTCGT
 TGACCTGTTTGTGGCAGTGGCCAGACAACAGGAGGCAACTGACTTATTCGGGGGATTTGCCGACTTT
 GGCTCTGCTGCTGCATCGGGCAGTTTCCCTTCCAAGCAACAAGTGGGAATGGAGACTTTGGTACTGGA
 GTGCCTCAACCAAGCCCATCAGGCCCTGTTGCTTCTGGTGGTACTCTTCGGCAGTCCGCCAGCAGCC
 TGCTGTAGAACTCATCAGTGGTTCACAGCCAGCTTTAGGCCACCTCTGCTGCCTCAAACCTCTCAGAT
 CTCTTTGATCTTATGGGCTCATCCAGGCAACCATGACGTCTTCCAGAGTATGAATTTCTCTCTAATGA
 GCACTAACACTGTGGGACTTGGTTGCCATGTCAAGTACAGGTAAGATGTCTGTTTCCCTTGGGAAT
 TGTTACTTACACCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212338 representing NM_001002022
 Red=Cloning site Green=Tags(s)

MLNMWKVRELVDKATNVVMNYSEIESKVREATNDPWPGPSQLMGEIAKATFMYEQFPELMNMLWSRMLK
 DNKKNWRRVYKSLLLAYLIRNGSERVVTSAHEIYDLRSLNYHFVDEHGKDQGINIRQVKELVEFAQ
 DDDRLREERKKAKKNKDYVGVSSDSVGGFRYNERYPPEPKSKWDEEWDKNKSAFPFSDKLGELSDKIGS
 TIDDTISKFRRKDREDSPERCSDSDEEKKARRGRSPKGEFKDEEETVTTKHIHITQATETTTTRHKRTAN
 PSKTIDLGAAAHYTGDKASPDQNASTHTPQSSAKPSVPSSKSSGDLVDLFDGSGQTTGGATDLFGGFADF
 GSAAASGSFSPQATSGNGDFGDWSAFNQAPSGPVASGGELFGSAPQPAVELISGSQPALGPPPAASNSSD
 LFDLMGSSQATMTSSQSMNFSLMSTNTVGLGLPMSRSQVRCLFPLGIVITYTY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

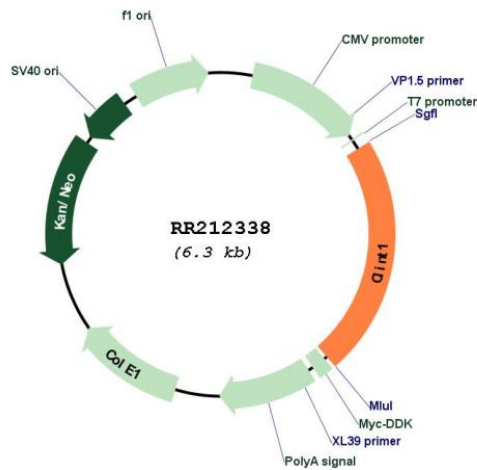
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001002022

ORF Size:

1416 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_001002022.1](#), [NP_001002022.1](#)

RefSeq Size: 1841 bp

RefSeq ORF: 1419 bp

Locus ID: 360515

Cytogenetics: 10q21

MW: 52.1 kDa

Gene Summary: stimulates clathrin assembly; may play a role in clathrin mediated budding and vesicular trafficking [RGD, Feb 2006]