

Product datasheet for **RR203142**

Cttn (NM_021868) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cttn (NM_021868) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cttn
Synonyms:	Cttnb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR203142 representing NM_021868
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGAAAGCTTCTGCAGGCCATGCTGTGTCCATCACCCAGGATGATGGGGAGCCGATGACTGGGAGA
 CTGACCCTGATTTGTGAACGATGTGAGTGAAAAGGAACAGAGATGGGGCGCCAAAACCGTGCAGGGATC
 GGGCACCCAGGAACACATCAACATACACAAGCTTCGAGAGAATGTCTTCCAAGAACCAGACACTCAAG
 GAGAAGGAGCTGGAAACGGGACCAAGGCTTCCCATGGCTATGGCGGGAAGTTTGGTGTGGAGCAAGATA
 GGATGGACAAATCAGCTGTGGCCATGAGTACCAGTCAAAGCTCTCCAAGCACTGCTCACAAGTGGACTC
 AGTCCGGGGCTTCGGAGGCAAGTTCGGTGTCCAGATGGACAGGGTGGATCAGTCTGCTGTAGGCTTTGAA
 TACCAGGGGAAGACGGAGAAGCACGCCTCCAGAAAGACTACTCCAGTGGTTTCGGTGGCAAATATGGAG
 TGCAAGCTGACCGTGTAGACAAGAGTGTGTGGGCTTTGACTACCAGGGCAAGACGGAGAAGCACGAGTC
 ACAGAAAGATTACTCAAAGTTTTTGGTGGCAAATACGGAATTGACAAGGACAAGGTGGATAAAAGCGCT
 GTGGGCTTTGAGTATCAAGGCAAAACAGAGAAGCATGAGTCCCAGAAAGACTATGTAAAAGGCTTTGGAG
 GAAAGTTTGGTGTGCAGACAGACAGACAGGACAAGTGTGCCCTTGGCTGGGACCATCAGGAGAAGCTGCA
 GCTGCATGAATCCAAAAAGACTATGCCAAAGGATTCGGCGGGAAGTATGGGGTGCAGAAGGATCGGATG
 GACAAGAACGCATCCACCTTTGAAGAAGTGGTCCAGGTGCCGTCTGCCTATCAGAAGACTGTCCCATTTG
 AGGCTGTGACCAGCAAAACAGTAAATTCGTGCTAACTTTGAAAACCTGGCAAAGGAGAGAGAGCAGGA
 GGACAGACGGAAGGCAGAAGCCGAGAGAGCTCAGCGGATGGCCCAAGAAAGGCAGGAGCAGGAGGAGGCT
 CGAAGGAAGCTGGAAGAGCAAGCCAGAGCCAAGAAGCAGACACCCCTGCATCCCTAGTCTCAGCCAG
 CTGAAGACAGACCACCATCCAGCCCCATCTATGAGGATGCAGTCCGTTGAAGGCCGAGCCGAGTACGG
 AAGTAGTGAGCCTGAGCCTGAGTACAGCACTGAGGCTGCAGGCCTTCTGAGGCCAGCAACCAGCAAGGT
 CTGGCCTACACATCAGAGCCTGTTTACGAGACCAGAGGTTTCTGGCCACTACCAGCAGAGGATGACA
 CCTACGATGGGTATGAGAGTGACCTGGGCATCACAGCCATCGCCCTGTATGACTACCAGGCTGTGGCGA
 TGATGAAATCTCCTTTGACCCTGATGATGTCATACCAACATAGAAATGATTGACGATGGCTGGTGGCGT
 GGGGTGTGCAAGGGCAGATATGGGCTCTCCCGCCAACATATGTGGAGCTGCGGCAG

**ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR203142 representing NM_021868
 Red=Cloning site Green=Tags(s)

MWKASAGHAVSITQDDGGADDWETDPDFVNDVSEKEQRWGAKTVQGSQGHQEHINIHKLRENVFQEHQTLK
 EKELETGPKASHGYGGKFGVEQDRMDKSAVGHEYQSKLSKHCSQVDSVRFGGKFGVQMDRVDQSAVGFE
 YQKTEKHASQKDYSSGFGGKYGVQADRVKSAVGFQYQKTEKHESQKDYSGKFGGKYIDKDKVSKSA
 VGFEYQKTEKHESQKDYVKGFGGKFGVQTDKCALGWDHQEKLQLHESQKDYAKGFGGKYGVQKDRM
 DKNASTFEEVVQVPSAYQKTVPIEAVTSKTSNIRANFENLAKEREQEDRRKAEAEARAQMAQERQEQEEA
 RRLKEEQARAKKQTPPASPPQPAEDRPPSSPIYEDAAPLKAEPYGSSEPEPEYSTEAGLPEASNQQG
 LAYTSEPVEYETTEVPGHYQAEDDITYDGYESDLGITAIALYDYQAAGDDEISFDPDDVITNIEMIDGWWR
 GVCKGRYGLFPANYVELRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

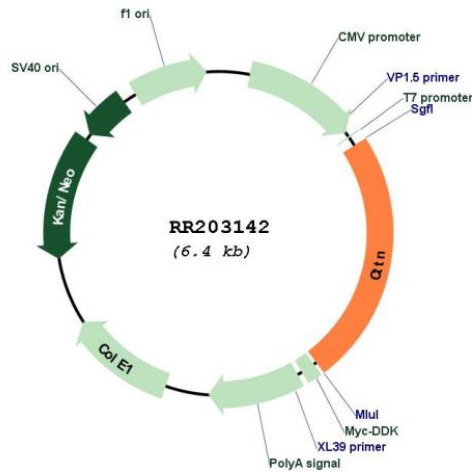
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_021868

ORF Size: 1527 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_021868.2](#), [NP_068640.2](#)

RefSeq Size: 2951 bp

RefSeq ORF: 1530 bp

Locus ID: 60465

UniProt ID: [Q66HL2](#)

Cytogenetics: 1q41-q42

MW: 56.9 kDa

Gene Summary: component of clathrin-coated pits; involved in receptor-mediated endocytosis [RGD, Feb 2006]