

## Product datasheet for **RR216942**

### Ceacam20 (NM\_001170324) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam20 (NM_001170324) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ceacam20
Synonyms:	RGD1311281
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR216942 representing NM\_001170324  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCCTGCTGGCTTCCACGACTGCCGTGGACAGCGATCCTCCTCAGCCTCCCTTCTGACCACAT  
 GGAACCCCTAGCTGCTGCCAGTTCACCGACCATGCTGAGCTGCTTAGCAACACCCAGATGGAGAGAGC  
 TTCACTGGCCAAGCCATCCTCACAGTCCGTCAGCGTGTGTACAGAGCAGAGGGACATGGCAGACTTC  
 TACTGTGCCACTAATGCTGTTAACGCCACCATCCACTGGGTCTTCAACAACCTCTGCTCGTGTGAACG  
 AGCGCATGAAGCTGTCTGCAGATAACAAGAACCTCACCGTCTCGTTCAGCGGGAGGACTCGGGCTC  
 TTACCTGTGTGAAGTGCAGTCCGGCTTTGAGGTTGGCAGAAGTGACGACACCTTGTGGAGGTGAACAT  
 GGTCTGACCCTGTGTAATCAAGCTGGACTCAGGAGTAGCCACTGGGGACGTGGTTGAGGTGATGGAAG  
 GCAACACCGTGAACCTTGGGTGAAACACAGTCTTACCCTGCTCCACCTACACCTGGTATCTCCCCAC  
 TGACTCCATCCAGCCCCCCCCATCACAGGACAACCTCACGATCCCCGCCATATCCAGGGAACAGGAGGGC  
 ATGTACAGGTGCCTGGTGTCCAACACTGTACCAACTCATCTCGTCTAGGTGTTGTCAAAGTCCAAGTGC  
 TCGAAAAAGTGACTGCACCGTATATCGAGTCCCCAACCTTGCCCTTGTGGAGAACGCCACCTCTGTGAT  
 GCTGACCTGCAAAACAGCCACCAGAGGGTTGGTGTCCATTGGTATCTGAGGGGTGAGCCGCTCATGCCCT  
 AGTGAGCACCTGACATTGTATCCAAAACAGAACCTGACCATCCATGGCCTTCAGAGAGACGATTCTG  
 GGCCCTATGAGTGTGAGGTGTGGAACGGGGTAGCCAGGCACGCAGTGTCCCTGGAGCTACCATCAA  
 CTATGGCCCTGACCAAGTGGACATCACCCAGGGGTGAGCGTCTGGAGTGGTCAACACCATCGAGGCAACG  
 CTCAACTCCAGCCTGACCCTGCATTGCTGGGCTGACTCAAACAGGTGCCAGGTATCACTGGACCCATG  
 AGCACTCTCCAGGTGTTTGTGGCGATCAACTGAACATCGAGGCACTGAGGCAGGAGCATCAGGGCAT  
 TTACAGCTGCACAAGCTCCAACAATGTACCCGGCTGACCCGATCCGCCTCTGTCTGGTACGGTGGTG  
 GGTCTCCAGTCATCCTCTATGTCTCCTGGAGTCATTGCTGGCATTGTTATCGGGATCCTGGCTGCCATTG  
 CTTTGGTATAGGGCTGGGCTACTTCTCTACAGCACCAAGGACAGATGGATCCACAGGAGATCAGCTAA  
 TGACACAACGACCTCTAATACCGAGCCACCCACCTCTGTGACTCAGAGCACCCAGAGTCCACCAGACCC  
 AACAAACCAAAGCCTGTATATGACAATATGCTGAAACCCAAAGGAGAGGACAGAGGTA AAAAGATGCCAT  
 CTCCGCCACCTGTCTCCAGAGCACTTCTATGAGAAGAAGCCACCTCCGCAGCTCTGAGGGCCCCAG  
 GAAGCCATTGCCCGTATCCCGAAGCAGCCATTGGTCCCCCAGTACCAAACAGAAACAAAGAGTCAAAT  
 TATGAGGCACTGTGAATCCGAACAAAGTCTTTACTGCAAGATCAACCCGTGAGT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216942 representing NM\_001170324  
 Red=Cloning site Green=Tags(s)

MGPAGFHDCPWTAILLSASLLTTWNPLAAAQFTDHAELL SNTQMERASLAKPILTVRQRVVTEQRDMADF  
 YCATNAV NATIHWVFNN SLLVLNERMKLSADNKNLTVLVVQREDSG SYLCEVQSGFEVGRSDDTLLEVNY  
 GPDPVSIKLD SGVATGDVVEVMENGT VNFVWETQSYPAPTYTWYLP TDSIQPPPI TGQLTIP AISREQEG  
 MYRCLVSNTVTNSSRLGVVKVQVLEKVTAPYIESPTLALVENATSVMLTCKTSHQRVGVHWYLRGQPLMP  
 SEHLTLSSQNR LTIHGLQRDDSGPYECEVWNWGSQARSVPLEL TINYGPDQVDITQGSASGVVNTIEAT  
 LNSSLTLHCWADSKPGARYHWTHEHSSQV F AGDQLNIEALRQEHQGIYSCTSSNNVTGL TRSASVLTVV  
 GLQSSMSPGVIAGIVIGILAAIALVIGLYFLYSTKDRWIHRRSANDTTT SNTPEPTSVTQSTPESTRP  
 NKP KPVYDNMLKPKGEDRGKMPSPPPV SPEHFYEKKPPSAAPEGPRKPLPRIPKQPLVPPV PNRNKESN  
 YEALLNPNQSLYCKINPSV

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001170324

**ORF Size:** 1737 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\\_001170324.1](#), [NP\\_001163795.1](#)

**RefSeq Size:** 1774 bp

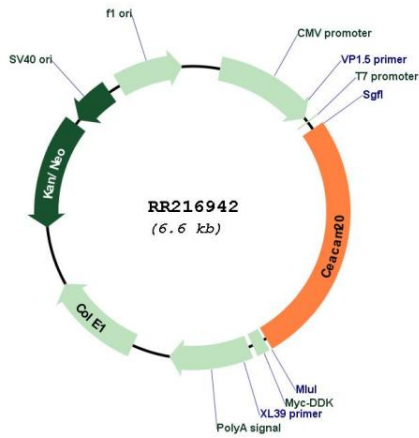
**RefSeq ORF:** 1740 bp

**Locus ID:** 292701

**Cytogenetics:** 1q21

**MW:** 63.6 kDa

Product images:



Circular map for RR216942