

Product datasheet for **RR200282**

Ceacam1 (NM_031755) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam1 (NM_031755) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ceacam1
Synonyms:	Bgp; BGPR; Ccam1; CD66a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200282 representing NM_031755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCTAGCCTCGGCTCGTCTCCTCAGAGGGCAGATTCCTGGAGGGGACTACTGCTCACAGCCTCAC
 TTTTAACCTACTGGAGCCCTCTCACCCTGCCCCAAGTCACCGTAGACGCTGTGCCACCCAACGTTGTTGA
 GGAGAAGAGCGTTCTTTACTCGCTCACAATCTGCCGCGAGGAGTTCCAAGTCTTTTACTGGTACAAGGGA
 ACCACTTTGAATCCAGACAGTGAATTGCACGATATATAAGATCCGATAATATGAGTAAAACAGGACCTG
 CATACAGCGGCAGAGACAATATACAGCAATGGATCCTTGTCTTCCAAAATGTCAACAAGACTGACGA
 GAGAGCCTACACACTATCTGTGTTTGTCAACAATTTAATCCTATACAAACGCTGTGCAATTTCTGTGA
 TACCCCGCATTACAAAAGCCCAACGTACAGGTAACAACCTCCAATCCCATGGAGGGTGAAGCCCTTCGTAT
 CATTAAATGTGTGAACCGTACACTAACAATACCAGTACCTGTGGAGCAGAAATGGTAAAAGCCTCTCAGA
 AGGTGACAGGGTACGTTCTCTGAGGGCAACAGGACTCTCACTTTACTCAACGTCAGGAGGACTGACAAA
 GGATACTATGAGTGTGAAGCCCGGAACCCAGCGACTTTCAATCGAAGTGACCCATTCAACCTGGAGGTTA
 TCTATGGTCCGGACGCCCAAGTTATATCCCTCCAGATATTTATTTGCATCAAGGGTCAAACCTCAACCT
 CTCTGCCATGCAGACTTAACCTCCCGCACAGTACTTTGGCTTATCAATGAGAAGCTCCAGACATCC
 TCCAAGAGCTCTTTATCTCAACATCACTACTAACAATAGCGGAACCTATGCCTGCTTCGTCATAAACA
 CTGTCAGTGGCCTCAGTCGCACCACAGTCAAGAACATTACAGTCTTTGAGCCAGTACTCAGCCCTCCAT
 CCAATACCAACACCACAGTCAAAGAAGTGGCTCTGTGACCCTGACCTGCTTCTCAAAGGACTGGA
 GTCTCCGTCGGATGGCTTTTCAATAGCCAGAGTCTGCAGCTCACAGACAGGATGACGCTCTCCAGGACA
 ACAGCACCTCAGAATAGACCCTATTAAGAGAGAAGATGCCGGGGACTATCAGTGTGAGATCTCCAACCC
 GGTCAGTTTCAGGATAAGTCACCAATCAAGCTGGACGTAATACGGGAAGTGACCATCGAGATCTCACAG
 AGCACAACCCCTCAACCTCCAGCCACAATCTGGGTCTTCTGACGACTCTCTAACAAGGTGGATGACGT
 CTCATACTCTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200282 representing NM_031755
 Red=Cloning site Green=Tags(s)

MELASARLLRGQIPWRGLLLTASLLTYWSPLTTAQTVDVAVPPNVVEEKSVLLL AHNLPQEFQVFYWK
 TTLNPDSEIARYIRSDNMSKTGPAYSGRETIYSNGSLFFQNVNKDERAYTLSVFDQQFNPIQTSVQFRV
 YPALQKPNVTGNNSNPMEGEPFVSLMCEPYTNNTSYLWSRNGESLSEGDRVTFSEGNRTL TLLNVRRTDK
 GYYECEARNPATFNRSDFNLDVIYGPDAVISPDIYHLHQSNLNL SCHADSNPPAQYFWLINEKLQTS
 SQELFISNITTNNSGTACFVNNTVTGLSRTTVKNITVFEPVTQPSIQITNTTVKELGSVTLTFCFKDTG
 VSVRWLFNSQSLQLTDRMTLSQDNSTLRIDPIKREDAGDYQCEISNPVSVFRISHPIKLDVIREVTIEISQ
 STNPQPPATIWVLLTLLTRWMTSHTLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

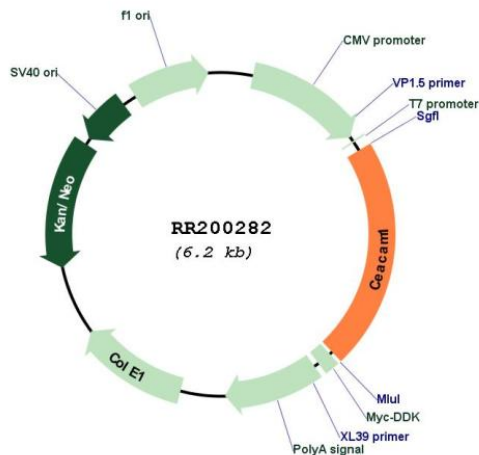
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031755

ORF Size: 1344 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_031755.2](#), [NP_113943.1](#)

RefSeq Size: 3446 bp

RefSeq ORF: 1347 bp

Locus ID: 81613

UniProt ID: [P16573](#)

Cytogenetics: 1q21

MW: 50.4 kDa

Gene Summary: glycoprotein component of bile; plays a role in cell adhesion [RGD, Feb 2006]