

Product datasheet for **RR200281**

Ceacam1 (NM_001033862) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam1 (NM_001033862) 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:

>RR200281 representing NM_001033862
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCTAGCCTCGGCTCGTCTCCTCAGAGGGCAGATTCCCTGGAGGGGACTACTGCTCACAGCCTCAC
 TTTTAACCTACTGGAGCCCTCTCACCCTGCCCCAAGTCACCGTAGACGCTGTGCCACCCAACGTTGTTGA
 GGAGAAGAGCGTTCTTTTACTCGCTCACAATCTGCCGCGAGGAGTTCGAAGTCTTTTACTGGTACAAGGGA
 ACCACTTTGAATCCAGACAGTGAATTGCACGATATATAAGATCCGATAATATGAGTAAACAGGACCTG
 CATACAGCGGCAGAGAGACAATATACAGCAATGGATCCTTGTCTTCCAAAATGTCAACAAGACTGACGA
 GAGAGCCTACACACTATCTGTGTTTGTCAACAATTTAATCCTATACAAACGCTGTGCAATTTCTGTGA
 TACCCCGCATTACAAAAGCCCAACGTACAGGTAACAACCTCCAATCCCATGGAGGGTGAGCCCTTCGTAT
 CATTAAATGTGTGAACCGTACACTAACAATACCAGTACCTGTGGAGCAGAAATGGTAAAGCCTCTCAGA
 AGGTGACAGGGTGACGTTCTCTGAGGGCAACAGGACTCTCACTTTACTCAACGTCAGGAGGACTGACAAA
 GGATACTATGAGTGTGAAGCCCGGAACCCAGCGACTTTCAATCGAAGTGACCCATTCAACCTGGAGGTTA
 TCTATGGTCCGGACGCCCCAGTTATATCCCTCCAGATATTTATTTGCATCAAGGGTCAAACCTCAACCT
 TCCTGCCATGCAGACTTAACCTCCCGCACAGTACTTTGGCTTATCAATGAGAAGCTCCAGACATCC
 TCCAAGAGCTCTTTATCTCAACATCACTACTAACAATAGCGGAACCTATGCCTGCTTCGTAATAACA
 CTGTCACTGGCCTCAGTCGCACCACAGTCAAGAACATTACAGTCTTTGAGCCAGTGACTCAGCCCTCCAT
 CCAATACCAACACCACAGTCAAAGAAGTGGCTCTGTGACCCTGACCTGCTTCTCAAAGGACTGGA
 GTCTCCGTCGGTGGCTTTTCAATAGCCAGAGTCTGCAGCTCACAGACAGGATGACGCTCTCCAGGACA
 ACAGCACCTCAGAATAGACCCTATTAAGAGAGAAGATGCCGGGACTATCAGTGTGAGATCTCCAACCC
 GGTCAGTTTCAGGATAAGTCACCAATCAAGCTGGACGTAATACCTGATCCAACACAAGGAAATCTGGC
 CTCTCAGAGGGTCCATTGCAGGCATTGTGATTGGATCTGTGGCTGGAGTGGCCCAATAGCAGCGCTGG
 CATACTTCCTTTATTCCAGGAAGACTGGCGGATCTGGTCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200281 representing NM_001033862
 Red=Cloning site Green=Tags(s)

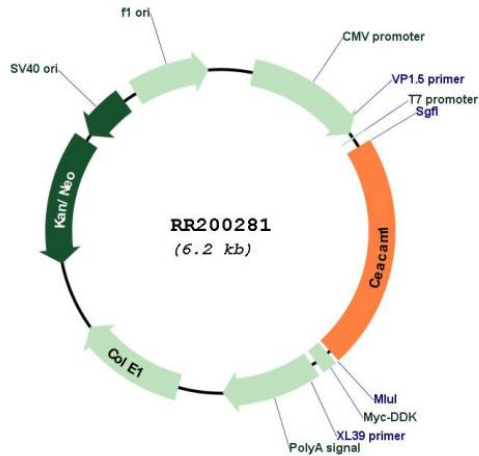
MELASARLLRGQIPWRGLLLTASLLTYWSPLTTAQVTVDVPPNVVEEKSVLLL AHNLPQEFQVFYWK
 TTLNPDSEIARYIRSDNMSKTGPAYSGRETIYSNGSLFFQNVNKDERAYTLSVFDQQFNPIQTSVQFRV
 YPALQKPNVTGNNSNPMEGEPFVSLMCEPYTNNTSYLWSRNGESLSEGDRVTFSEGNRTL TLLNVRRTDK
 GYYECEARNPATFNRSDFNLDVIYGPDAVISPPDIYHLHQSNLNL SCHADSNPPAQYFWLINEKLQTS
 SQELFISNITTNNSGTYACFVNNTVTGLSRTTVKNITVFEPVTQPSIQITNTTVKELGSVTLT CFSKDTG
 VSVRWLFNSQLQLTDRMTLSQDNSTLRIDPIKREDAGDYQCEISNPVSVFRISHPIKLDVIPDPTQGN
 LSEGA IAGIVIGSVAGVALIAALAYFLYSRKTGGSGSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001033862

ORF Size:

1374 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_001033862.1](#), [NP_001029034.1](#)

RefSeq Size: 3520 bp

RefSeq ORF: 1377 bp

Locus ID: 81613

UniProt ID: [P16573](#)

Cytogenetics: 1q21

MW: 50.8 kDa

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