

## Product datasheet for **MR209058**

### Ceacam20 (NM\_027839) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam20 (NM_027839) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ceacam20
Synonyms:	9130012D09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR209058 representing NM\_027839  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTTGCTGGCTTCCACTGCTGCTCGTGGACAGTATCCTTCTCTCAGCCTTACTTCCGACCACAT  
 GGAGACCCCCAGCTGCTGCCACTTCATCCACCGTGCCGACCTGCTTAGCAACACCCAGATGGAGAGAGC  
 TCCACTGGCCAAGCTCACCCCTCACAGTCAATCAGAGCACTGTACAGAGCAGAGGGAAATGGCAGTTTTTCT  
 TACTGTAACACTAATGCTGATAACATCACCATCCACTGGGTCTCCAACAACCTCTGCTTGTGTTGAATG  
 AGCGCATGAAGCTGTCTGCAGATAACAAGACCCTCACCATCCTCATTGTCCAGCGGGAGGACTCGGGGTC  
 TTACCTGTGTGAAGTGCAGCATGGCTTTGAGGTTGAGAGAAGTAACACTGCCTCGCTGACGGTGAACAT  
 GGTCTGTATCCTGTATCAATCAAGCTGGACTCAGGAGTAGCTGCTGGGGATGTGGTGGAGGTGATGGAAG  
 GCAACACCGTGAACCTCAGGGTGAAGCACAGTCTCCCTGTCCCTGCCTATGCCTGGTATCTCCCCAG  
 CGACTTATCCAGCCCCCTACCACAGGAACATTCACAATCGATGCTGTGTCCAGGGAACATGAGGGCATG  
 TACAGGTGCCTGGTGTCCAACCCGTGCACCAACTGTCCCGCCTAGGTGTGGTCAAAGTCCAAGTGCCTG  
 AAAAAGTGACTGCACCGAATATCGAGTTCACCACTTGGCCCTTGTGGAGAATGCCACCTCTGTGACT  
 GACCTGCAAAACAGCCACCAGAGGGTGGTGTCCATTGGTTTCTAAAGGGTCAGCCACTCAGGCCATG  
 GACCGCTGACTGTATCCAAAACAGAACCCTGACCATCCATGGCCTTCAGAGAGATGATATTGGGC  
 CCTATGAGTGTGAGGTGTGGAACGGGGTAGCCAGGCACGCAGCGTCCCCTGAAGCTCACCATCAACTA  
 TGGCCCGACCAAGTGGAAATCACCCAGGGGCCAGCGTCTGGAGTGGTCAAGCACTATTGAGGCAATGCTC  
 AACTCCAGCTTGACCCCTGATTGCGGGCAGACTCCATACCAGGTGCCAGGTATCAGTGGACCCATGAGC  
 ACTCCTTAAGGTGCTTGTGAGGGAGCAGCTGAGCATCGAAGCACTGAGGCAGGAGCATCAGGGCATTTA  
 CAGCTGTACAAGCTCAATGATGTCAACCGCCTGGCCGATCTGCCTCTGTCTGGTTCATGGTGGTAGGT  
 CTCCAGTCATCCTCTATGCTCCTGGAGCCATCGCTGGCATCGTTATCGGGATCCTGGTTGCCATTGCTT  
 TGGCGATAGGTCTGGGCTACTTCTCTACAGCACAAAGGACAGATGGACTCGCAGGAGATCAGCCAGTGA  
 TACAACGAGCTTAATACCATAACCACCCCTCTGTGATGCAGAGCACCCCGGAGTCCAGGCACAACAAA  
 CCAATGACTGTGATGACAATACCCAAAGCCGAAGGAGAGGCCAGAGGCAAAAAGATGTGGTCACTGC  
 CACGTGACTCCCCAGAGCAGTTCTATGAGAAGAAACCCTTCTGCAGCTCCTGAGGGCCCCAGGAAGCC  
 ATTGCCCAAATCCAAAGCAGCCATTGATGCCCCAGGACCAGGCAGAAATGAAGAGTCAAATTATGAG  
 AAAGTCTGAATTCAAACCATAGTCTTTACTGCAAGATCACCCCATCAGCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209058 representing NM\_027839  
 Red=Cloning site Green=Tags(s)

MELAGFHCCSWTVILLSALLPTTWRPPAAAHFIHRADLLSNTQMERAPLAKLTLTVNQSTVTEQREMAVF  
 YCNTNADNITIHWSNNSLLVLNRMKLSADNKLTILIVQREDSGYSYLCEVQHGFVQRSNTASLTVNY  
 GPDPVSIKLDGVAAGDVVEVMENGTVNFVVEAQSSPVPAYAWYLPDFIQPPTTGTFTIDAVSREHEGM  
 YRCLVSNPVTNL SRLGVVKVQVLEKVTAPNIEFPTLALVENATSVTLTCKTSHQRVGVHWFLLKQPLRPS  
 DRLTLSSQNRTLTIHGLQRDDIGPYECEVWNWGSQARSVPLKLTINYPDQVEITQGPASGVVSTIEAML  
 NSSLTL YCRADSI PGARYQWTHEHSSKVL DGEQLSIEALRQEHQGIYSCTSSNDVTGLARSASVLMVVG  
 LQSSMSPGAIAGIVIGILVAIALAIGLYFLYSTKDRWTRRRSASDTTSSNTIPPTSVMQSTPESRHNK  
 PMTVYDNTPKPEGEARGKKMWSLPRDSPEQFYKPKPSAAPEGPRKPLQIPKQPLMPPGPRNEESNYE  
 KLLNSNHSLYCKITPSA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9014\\_h12.zip](https://cdn.origene.com/chromatograms/mm9014_h12.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**ACCN:** NM\_027839

**ORF Size:** 1731 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_027839.2, NP\\_082115.2](#)

RefSeq Size: 2897 bp

RefSeq ORF: 1734 bp

Locus ID: 71601

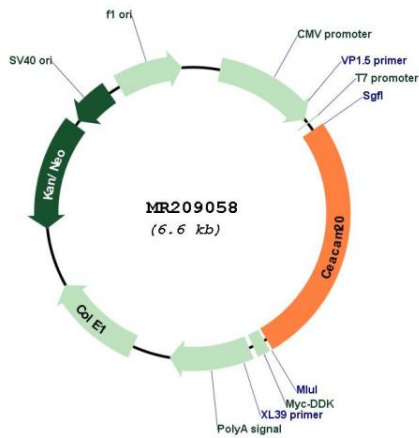
UniProt ID: [Q9D2Z1](#)

Cytogenetics: 7 A3

MW: 63.9 kDa

Gene Summary: Together with the tyrosine-protein kinase SYK, enhances production of the cytokine CXCL8/IL-8 via the NFkB pathway and may thus have a role in the intestinal immune response. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR209058