

## Product datasheet for **RC224086**

### CEACAM21 (NM\_033543) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM21 (NM_033543) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CEACAM21
Synonyms:	CEACAM3; R29124_1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224086 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGGCCCCCTCAGCTTGTCCCCACAGAGAATGCATCCCCTGGCAGGGGCTCTTGCTCACAGCCTCAC  
TTTTAACTTTCTGGAACGCACCCACCACTGCCTGGCTCTTTATTGCATCAGCGCCCTTTGAAGTTGCTGA  
AGGGGAGAATGTTTCATCTCTGTGGTTTATCTGCCCGAGAATCTTTACAGCTATGGCTGGTACAAAGG  
AAAACGGTGGAGCCCAACCAGCTAATCGCAGCATATGTAATAGACTCACGTTAGGACTCCAGGGCCTG  
CATACAGCGGTCGAGAGACAATATCACCCAGTGGAGATCTGCATTTCCAGAACGTCACCCTAGAGGACAC  
GGGATACTACAACCTACAAGTCACATACAGAAATTCTCAGATTGAACAGGCATCTCACCATCTCCGTGTA  
TACGAGTCAGTGGCTCAGCCCTCCATCCAAGCCAGCAGCACACAGTACAGAGAAGGGCTCCGTGGTCC  
TGACCTGCCACACAAATAACACTGGAACCTCTTTCCAGTGGATTTCAACAACCAGCGTCTGCAGGTCAC  
GAAGAGGATGAAGCTGTCCTGGTTAAACCATGTGCTCACCATAGACCCCATCAGGCAGGAGGACGCTGGG  
GAGTATCAGTGTGAGGTCTCAACCCAGTCAGTCCAACAGGAGCGACCCCTCAAGCTGACTGTAAAT  
CAGATGACAACACTCTAGGCATCCTGATCGGGTCTGGTTGGGAGTCTTCTGGTGGCTGCACCTTGTGTG  
TTTCTGCTCTCCGAAAACTGGCAGGGCCAGCGATCAGAGTACTTCAGGGAGCAGCAGCCCCAGCC  
TCCACCCCGCCATGGACCCTTGACAGCTCCATCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC224086 protein sequence  
Red=Cloning site Green=Tags(s)

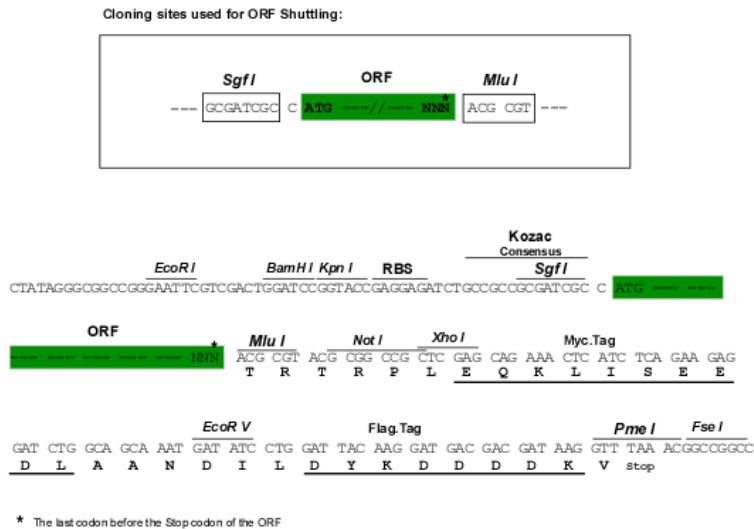
MGPPSACPHRECIPWQGLLLTASLLTFWNAPTTAWLFIASAPFEVAEGENVHLSVVYLPENLYSYGWYKG  
 KTVEPNQLIAAYVIDTHVRTPGPAYSGRETISPGLHFQNVLTLEDTGYYNLQVTYRNSQIEQASHHLRV  
 YESVAQPSIQASSTTVTEKGSVLTCHTNNTGTSFQWIFNNQRLQVTKRMKLSWFNHVLTIDPIRQEDAG  
 EYQCEVSNPVSSNRSDPLKLTVKSDNTLGILIGVLVGSLLVAALVCFLLLRKTGRASDQSDFREQQPPA  
 STPGHGPSDSSIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6447\\_e05.zip](https://cdn.origene.com/chromatograms/mk6447_e05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_033543

**ORF Size:** 879 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\\_033543.6](#)

**RefSeq Size:** 1375 bp

**RefSeq ORF:** 879 bp

**Locus ID:** 90273

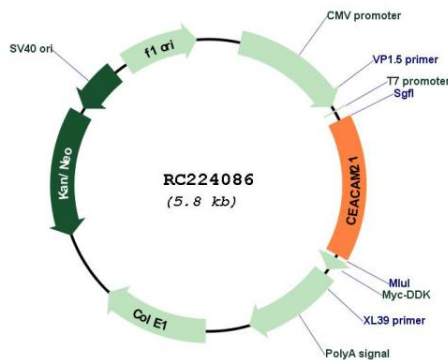
**UniProt ID:** [Q3KPI0](#)

**Cytogenetics:** 19q13.2

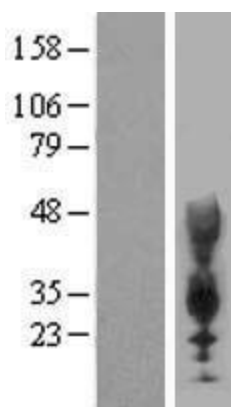
**Protein Families:** Transmembrane

**MW:** 32.4 kDa

**Product images:**



Circular map for RC224086



Western blot validation of overexpression lysate (Cat# [LY409494]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224086 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).