

Product datasheet for **RC236606**

CEACAM3 (NM_001277163) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CEACAM3 (NM_001277163) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CEACAM3
Synonyms: CD66D; CEA; CGM1; W264; W282
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236606 representing NM_001277163
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGGCCCCCTCAGCCTCTCCACAGAGAATGCATCCCCTGGCAGGGGCTTCTGCTCACAGCCTCAC
TTCTAAACTTCTGGAACCCGCCACCCTGCCAAGCTCACTATTGAATCCATGCCGCTCAGTGTCGCAGA
GGGAAGGAGGTGCTTCTACTTGTCCACAATCTGCCCCAGCATCTTTTGGCTACAGCTGGTACAAAGGG
GAAAGAGTGGATGGCAACAGTCTAATTGTAGGATATGTAATAGGAACTCAACAAGCTACCCAGGGGCCG
CATAACGCGTGCAGAGACAATATACCAATGCATCCCTGCTGATCCAGAATGTACCCAGAATGACAT
AGGATTCTACACCCTACAAGTCATAAAGTCAGATCTTGTGAATGAAGAAGCAACTGGACAGTTCCATGTA
TACCAAGAAAATGCCCCAGGCCTTCTGTGGGGCCGTCGCCGGCATCGTGACCGGGTCTGGTCCGGAG
TGGCGCTGGTGGCCGCTGGTGTGTTTCTGCTCCTTGCCAAAAGTGGAAAGCCGTTGGTCCCTCCACA
GCTCTGCCTTCTCGATGTCCCCTCTCCACTGCCAGGCCCCCTACCCAACCCAGGACAGCAGCTTC
CATCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236606 representing NM_001277163
 Red=Cloning site Green=Tags(s)

MGPPSASPHERECIPWQGLLLTASLLNFNPPPTAKLTIESMPLSVAEGKEVLLL VHNLPQHLFGYSWYKG
 ERVDGNSLIVGYVIGTQQATPGAAYS GRETIYTNASLLIQNVTQNDIGFYTLQVIKSDLVNEEATGQFHV
 YQENAPGLPVGAVAGIVTGVLVGVALVAALVCFLLAKTGRPWSLPQLCLLDVPSLHCPGPPTQPQDSSF
 HL

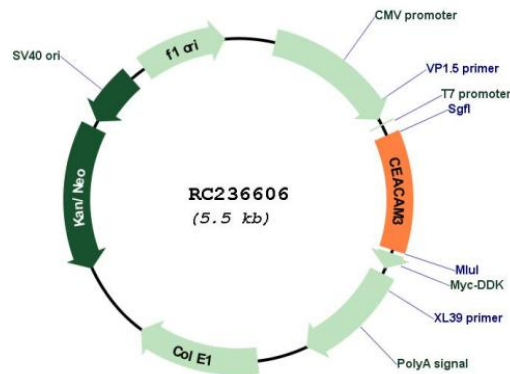
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001277163

ORF Size: 636 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:	<ol style="list-style-type: none">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_001277163.3
RefSeq Size:	1058 bp
RefSeq ORF:	639 bp
Locus ID:	1084
UniProt ID:	P40198
Cytogenetics:	19q13.2
Protein Families:	Transmembrane
MW:	23.2 kDa
Gene Summary:	This gene encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2013]