

Product datasheet for **RG236606**

CEACAM3 (NM_001277163) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM3 (NM_001277163) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CEACAM3
Synonyms:	CD66D; CEA; CGM1; W264; W282
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236606 representing NM_001277163. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCCCCCTCAGCCTCTCCCCACAGAGAATGCATCCCTGGCAGGGGCTTCTGCTCACAGCCTCA
CTTCTAAACTTCTGGAACCCGCCACCACTGCCAAGCTCACTATTGAATCCATGCCGCTCAGTGTGCGA
GAGGGGAAGGAGGTGCTTCTACTTGTCCACAATCTGCCCCAGCATCTTTTGGCTACAGTGGTACAAA
GGGGAAGAGTGGATGGCAACAGTCTAATTGTAGGATATGTAATAGGAACTCAACAAGCTACCCAGGG
GCCGCATACAGCGGTCGAGAGACAATATACACCAATGCATCCCTGCTGATCCAGAATGTCACCCAGAAT
GACATAGGATTCTACACCCTACAAGTCATAAAGTCAGATCTTGTGAATGAAGAAGCAACTGGACAGTTC
CATGTATACCAAGAAAATGCCCCAGGCCTTCTGTGGGGCCGTCGCCGGCATCGTGACCGGGTCTCTG
GTCGGAGTGGCGCTGGTGGCCGCTGGTGTGTTTCTGCTCCTTGCCAAAAGTGGAAAGCCGTGGTCC
CTCCCACAGCTCTGCCTTCTCGATGTCCCTCTCTCCACTGCCAGGCCCCCTACCCAACCCAGGAG
AGCAGCTTCCATCTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236606
 Blue=ORF Red=Cloning site Green=Tag(s)

MGPPSASPHRECIPWQGLLLTASLLNFWNPPTTAKLTIESMPLSVAEGKEVLLL VHNLPQH LFGYSWYK
 GERVDGNLSLIVGYVIGTQQATPGAAYSGRETIYTNASLLIQNVTONDIGFYTLQVIKSDLVNEEATGQF
 HYYQENAPGLPVGAVAGIVTGVLVGVALVAALVCFLLAKTGRPWSLPQLCLLDVPSLHCPGPPTQFQD
 SSFHL

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIIGDFKVMGTGFPEP
 SVIFTDKIIRSNAVTEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

RefSeq: [NM_001277163.3](#)

RefSeq Size: 1058 bp

RefSeq ORF: 639 bp

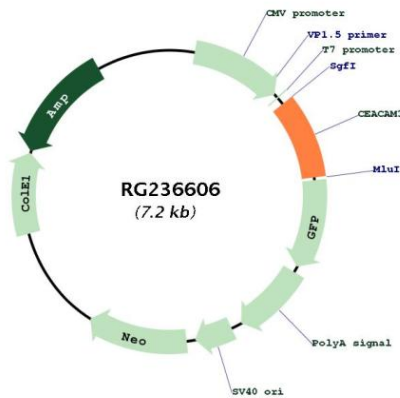
Locus ID: 1084
 UniProt ID: [P40198](#)
 Cytogenetics: 19q13.2

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]

Product images:



Circular map for RG236606