

Product datasheet for **RG237032**

CEACAM7 (NM_001291485) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM7 (NM_001291485) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CEACAM7
Synonyms:	CGM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237032 representing NM_001291485. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGTCCCCTCAGCCTGTCCATACAGAGTGTGCATTCCCTGGCAGGGGCTCCTGCTCACAGCCTCG
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GAAGGGAAGGAGGTCCTTCTAGTAGTCCATAATGAGTCCAGAATCTTTATGGCTACAACGGTACAAA
GGGAAAGGGTGCATGCCAACTATCGAATTATAGGATATGTAAAAATATAAGTCAAGAAAATGCCCA
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GATATTGTGGTTTTAACCTGTCAACCTGAGACTCAGAACAACCTACCTGTGGTGGGTAACAATCAG
AGCCTCCTGGTCAGTCCCAGGCTGCTGCTCCTCACTGACAACAGGACCCTCGTTCTACTCAGCGCCACA
AAGAATGACATAGGACCCTATGAATGTGAAATACAGAACCAGTGGGTGCCAGCCGAGTACCCAGTC
ACCCTGAATGTCCGCTATGAGTCAGTACAAGCAAGTTCACCTGACCTCTCAGCTGGGACCGCTGTGAGC
ATCATGATTGGAGTACTGGCTGGGATGGCTCTGATA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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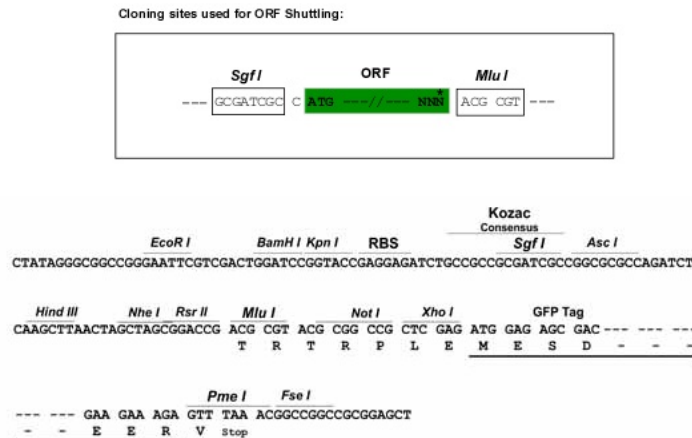
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237032
 Blue=ORF Red=Cloning site Green=Tag(s)

MGSPSACPYRVCIPWQGLLLTASLLTFWNLPSAQTNIDVVPFNVAEGKEVLLVVHNESQNLVGYNWK
 GERVHANYRIIGYVKNISQENAPGAHNGRETIYPNGTLLIQNVTHNDAGIYTLHVIKENLVNEEVTRQ
 FYVFSEPPKPSITSNFNPVENKDIVLTCQPETQNTTYLWVNNQSLLVSPRLLSTDNRTLVLVSAT
 KNDIGPYECEIQNPVGASRSDPVTLNVRYESVQASSPDL SAGTAVSIMIGVLAGMALI
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291485

ORF Size: 795 bp

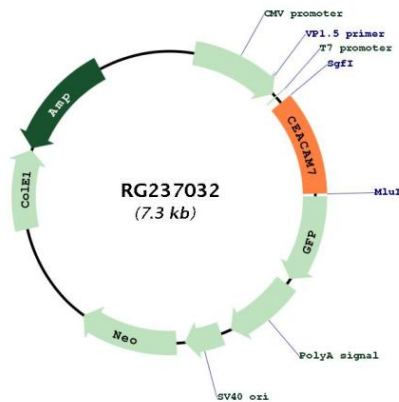
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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 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).
RefSeq:	NM_001291485.2
RefSeq Size:	2379 bp
RefSeq ORF:	798 bp
Locus ID:	1087
UniProt ID:	Q14002
Cytogenetics:	19q13.2
MW:	29.8 kDa
Gene Summary:	This gene encodes a cell surface glycoprotein and member of the carcinoembryonic antigen (CEA) family of proteins. Expression of this gene may be downregulated in colon and rectal cancer. Additionally, lower expression levels of this gene may be predictive of rectal cancer recurrence. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

Product images:



Circular map for RG237032