

Product datasheet for **SC334500**

CEACAM3 (NM_001277163) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM3 (NM_001277163) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEACAM3
Synonyms:	CD66D; CEA; CGM1; W264; W282
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001277163, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCCCCCTCAGCCTCTCCCCACAGAGAATGCATCCCCTGGCAGGGGCTTCTGCTCACAGCCTCAC
TTCTAAACTTCTGGAACCCGCCACCACTGCCAAGCTCACTATTGAATCCATGCCGCTCAGTGTCCGAGA
GGGGAAGGAGGTGCTTCTACTTGTCCACAATCTGCCCCAGCATCTTTTGGCTACAGCTGGTACAAAGGG
GAAAGAGTGGATGGCAACAGTCTAATTGTAGGATATGTAATAGGAACTCAACAAGCTACCCAGGGCCG
CATACAGCGGTCGAGAGACAATATACCAATGCATCCCTGCTGATCCAGAATGCACCCAGAATGACAT
AGGATTCTACACCCTACAAGTCATAAAGTCAGATCTTGTGAATGAAGAAGCAACTGGACAGTTCCATGTA
TACCAAGAAAATGCCCCAGGCCCTCCTGTGGGGCCGTCGCCGGCATCGTGACCGGGTCTGGTCCGGAG
TGGCGCTGGTGGCCGCGCTGGTGTGTTTCTGCTCCTTGCCAAAAGTGAAGCCGTGGTCCCTCCACA
GCTCTGCCTTCTCGATGTCCCCTCTCTCCACTGCCAGGCCCCCTACCCAACCCAGGACAGCAGCTTC
CATCTATGA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001277163
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_001277163.2](#), [NP_001264092.1](#)

RefSeq Size: 1058 bp

RefSeq ORF: 639 bp

Locus ID: 1084

UniProt ID: [P40198](#)

Cytogenetics: 19q13.2

Protein Families: Transmembrane

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]
Transcript Variant: This variant (2) lacks an alternate coding exon and has an alternate splice site in the 3' region, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.