

Product datasheet for **SC303844**

CEACAM7 (NM_006890) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM7 (NM_006890) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEACAM7
Synonyms:	CGM2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006890 edited
AACACCATGGGTTCCCTTCAGCCTGTCCATACAGAGTGTGCATTCCTGGCAGGGGCTC
CTGCTCACAGCCTCGCTTTTAACTTCTGGAACCTGCCAACAGTGCCCAGACCAATATT
GATGTCGTGCCGTTCAATGTCGAGAAGGGAAGGAGGTCCTTCTAGTAGTCCATAATGAG
TCCCAGAATCTTTATGGCTACAACCTGGTACAAAGGGGAAAGGGTGCATGCCAACTATCGA
ATTATAGGATATGTAATAAATAAGTCAAGAAAATGCCCCAGGGCCGCACACAACGGT
CGAGAGACAATATACCCAATGGAACCTGCTGATCCAGAACGTCACCCACAATGACGCA
GGAATCTATACCTACACGTTATAAAAGAAAATCTTGTGAATGAAGAAGTAACAGACAA
TTCTACGTATTCTCGGAGCCACCCAAGCCCTCCATCACCAGCAACAACCTCAATCCGGTG
GAGAACAAGATATTGTGGTTTTAACCTGTCAACCTGAGACTCAGAACAACCTACCTG
TGGTGGGTAACAATCAGAGCCTCCTGGTCAGTCCCAGGCTGCTGCTCTCCACTGACAAC
AGGACCCCTCGTTCTACTCAGCGCCACAAAGAATGACATAGGACCCATGAATGTGAAATA
CAGAACCAGTGGGTGCCAGCCGAGTACCCAGTCAACCTGAATGTCCGCTATGAGTCA
GTACAAGCAAGTTACCTGACCTCTCAGCTGGGACCGCTGTCAGCATCATGATTGGAGTA
CTGGCTGGGATGGCTCTGATATAGCAGCCTTGGTGTAGTTTCTGCATTTTCGGGAAGAGTG
TTTTTATTATCCACCTGCAGACTGGACTGGATTCTTCTAGCTCCTTCAATCCCATTTTCT
CCTGTGGCATCACTAAGTATAAGACCTGCTCTCTCTGAAGACCTATAAGCTGGAGGTG
GACAACTCAATGTAATTTCAAGGAAAAACCCTCATGCCTGAGATGTGGGCCACTCAGAG
CTAACCAAAATGTTCAACACCATAACTAGAGACTCAAATTGCCAACCCAGGACAAGAAG
TTGATGACTTCATGCTGTGGACAGTTTTTCCCAAGATGTCCCAAGCCTCATCGTGACGAG
GCTCTTATCCCACTCCATTTTTCCCTGCTCATGCCTGCCTCTTTAATTTGGTAAGATAAT
GCTGTAAC TAGAATTTACAATCAGCGCCTTGTGCAGGTAATTTGACAGAGTGTGGATG
TGTCATGTCATCATG

Restriction Sites:	Please inquire
ACCN:	NM_006890



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Insert Size:	1300 bp
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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by a single amino acid.
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_006890.1 , NP_008821.1
RefSeq Size:	2292 bp
RefSeq ORF:	798 bp
Locus ID:	1087
UniProt ID:	Q14002
Cytogenetics:	19q13.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>