

## Specifications:

Gene:	hCEACAM4
Accession:	NP_001808
Insert size:	748bp
Concentration:	10µg at 0.2µg/µL

## hCEACAM-4 cDNA Plasmid

**CEACAM4** carcinoembryonic antigen-related cell adhesion molecule 4 [ *Homo sapiens* (human) ]

**Also known as:** NCA; CGM7; CGM7\_HUMAN

### Summary:

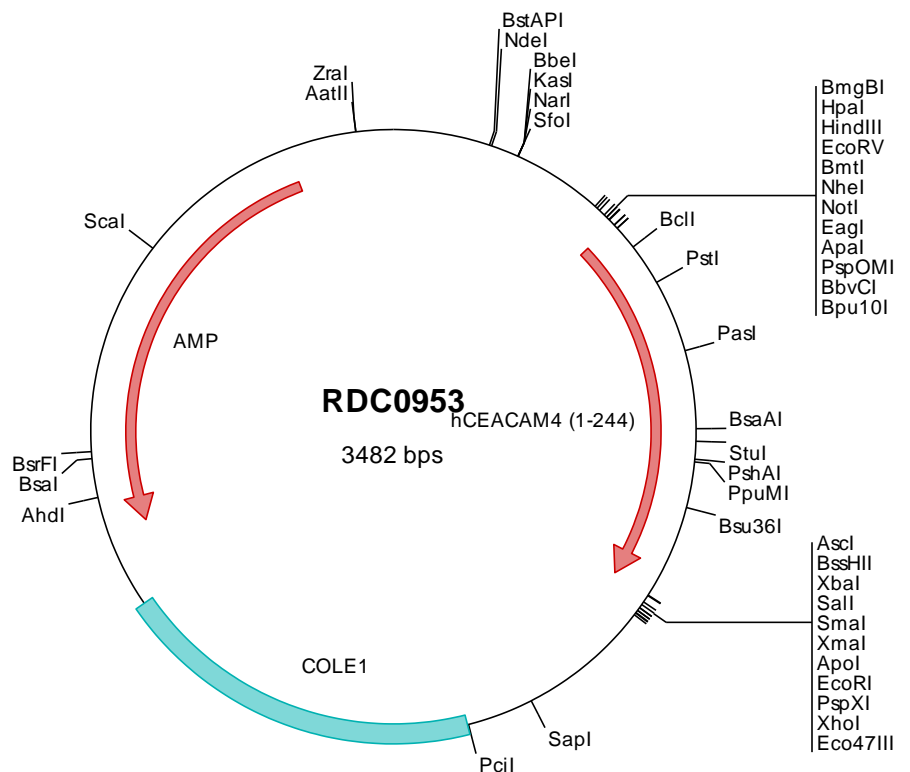
CEACAM4 is a member of the family of carcinoembryonic antigen-related cell adhesion molecules. CEACAM family members have a wide variety of functions including tumor suppressors, regulators of lymphocyte and dendritic cell activation, and receptors of *Neisseria* species and other bacteria. CEACAM4 is expressed on granulocytes as well as on B and T cell lymphoblastic leukemias.

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0953 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagtcg gttgtaata
201 cgcacacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcgac ggtcggggcc tcttcgctat
301 taaggccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tgcgtagcgc ggccgcacc cccaccactg tccagttoac tattgaagcc ctgcccgtcca gtgctgcaga gggaaaggat
501 gctcctgato acagcctcac ttttaacctt ctggcaccog cccaccactg tccagttoac tattgaagcc ctgcccgtcca gtgctgcaga gggaaaggat
601 gttctcttac tggcctgcaa tatttcagaa actattcaag cctattatg gcacaagggg aaaacggcag aaggagcgc tctcattgct ggttatataa
701 cagacattca agcaaatatc ccaggggcgc catacagtgg togagagaca gtataccca atggatccct gctgttccaa aacatcaacc tggaggacgc
801 aggatcctac accctacgaa ccataaatgc cagttacgac tctgaccaag caactggcca gctcccagta caccaaaaca acgtcccagg ccttctgtg
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1501 tgactcgtcg cgctcgtctg ttccgctgcg gcgagcgtga tcaagcact caaaggcgtt aatacgggta tccacagaat caggggataa cgaggaaag
1601 aacatgtgag caaaaaggcca gcaaaaaggcc aggaaccgta aaaaggccgc gttgctggcg tttttccata ggctcccgcc cctgacgag catcacaana
1701 atcgacgctc aagtcagagg ttgocgaaacc cgacaggaact ataaagatac caggcgtttc cccctggaag ctccctcgtg cgtctcctg tccgacct
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2101 aaggacagta tttggatctc gcgctctgct gaagccagtt accttccgaa aaagagtgg tagctcttga tccggcaaac aaaccaccgc tggtagcgtg
2201 ggtttttttg tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt ctacggggtc tgacgctcag tgaacgaaa
2301 actcagctta agggattttg gtcatgagat tatcaaaaag gatcttccac tagatccttt taaattaaaa atgaagtttt aaatcaatct aaagtatata
2401 tgagttaact tggctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgt ctgtctattt cgttcatcca tagttgctg actccccgtc
2501 gtgtagataa ctacgatacg ggagggttca ccatctggcc ccagtgtgc aatgataccg cgagaccac gctcaccggc tccagattta tcagcaataa
2601 accagccagc cggaaaggcc gagcgcagaa gtggctctgc aactttatcc gcctccatcc agtctatcaa ttggtgcccg gaagctagag taagtgttc
2701 gccagttaat agtttgccca acgtttgttc cattgctaca ggcacgtgg tgcacgctc gtcggttggg atggcttcat tcagctccgg tccccaacga
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3001 gtgtatcgcg cgaccagatt gctcttgccc ggctcaata cgggataata ccgcccaca tagcagaact taaaagtgc tcatcattgg aaaaagctt
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3301 ttattgaagc atttatcagc gttattgtct catgagcggg tacatatttg aatgtattta gaaaaataaa caaatagggg ttccgcgcac attttcccga
3401 aaagtgcac ctgacgtcta agaaccatt attatcatga cattaaccta taaaatagg cgtatcacga ggcctttcg tc

> RDC0953 Translated Insert Sequence

1 mgppsaaarg ghrpwqglii taslltfwhp pttvqftiea lpssaaegkd vlllacnise tiqayywhkg ktaegsplia gyitdiqani pgaaysgret
101 vypngsllfq nitledagsy tlrtnaszyd sdqatgqlhv hqnnvpglpv gavagivtgv lvgvalvaal vcflllstrg rasiqrdirre qpppastpgh
201 gpshrstfsa plpsprtatp iyeellysda niycqidhka dvvs