

Specifications:

Gene:	<i>h</i> CEACAM5
Accession:	P06731
Insert size:	2122bp
Concentration:	10µg at 0.2µg/µL

*h*CEACAM-5/CD66e cDNA Plasmid

CEACAM5 carcinoembryonic
antigen-related cell adhesion
molecule 5 [*Homo sapiens*
(human)]

Also known as: CEA; CD66e

Summary:

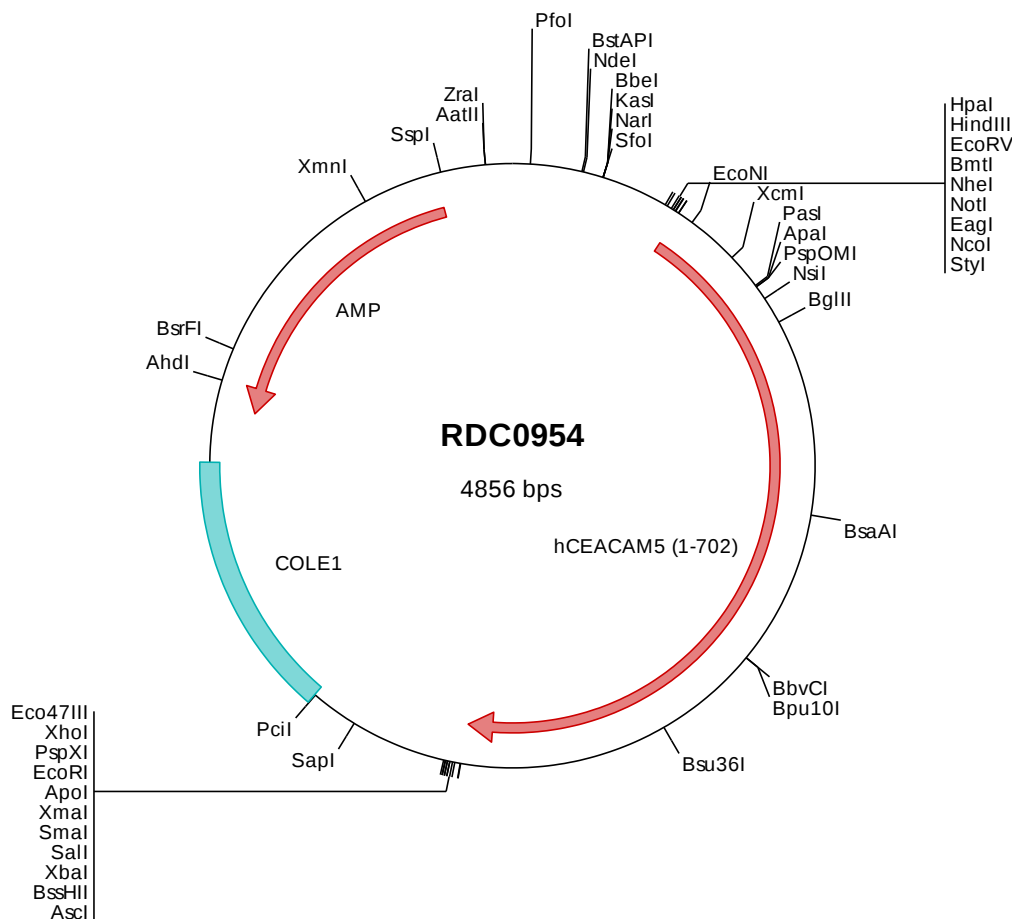
CEACAM5 belongs to the large family of CEACAM and pregnancy specific glycoproteins. CEACAM5 functions as a calcium-independent adhesion molecule through hemophilic and heterophilic interactions with CEACAM1. CEACAM5 is restricted to the apical face of intestinal epithelial cells in the adult but is more diffuse during embryonic development. CEACAM5 is upregulated in a wide variety of human tumors and can promote tumor cell migration, invasion, adhesion, and metastasis. Alternatively spliced transcripts encoding different proteins have been described.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0954 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcacac atggagtctc cctcgccccc tccccacaga ttgtgcatcc cctggcagag
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701  taggaactca acaagctacc ccaggggccc catcacgtgg toagagata atatacccca atgcacccct gctgatccag aacatcatcc agaattgacac
801  aggatcttac accctacacg tcataaagtc agatctttgt aatgaagaag caactggcca gtcccggtta taccggagc tgcccaagcc ctccatctcc
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> RDC0954 Translated Insert Sequence

```
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201  tlfvnrndt asykctgpn vsarrsdsvi lnlvypdpad tisplntsy sgenlnlsch aasnppaqys wfvngtfqqs tqelfipnrt vnsqsytcq
301  ahnsdtglnr ttvtittvya eppkpfitsn nsnpvededa valtcepei nttylwwvnn qslpvsprlq lsdnrtltl lsvtrndvpg yecqignkls
401  vdhsdpvln vlygppddpti sppyttyrpg vnlslschaa snppaqyswl idgniqghtq elfisnitek nsglytcqan nsasghsrtt vktitvsael
501  pkpsissnns kpvedkdava ftcpeaqnt tylwvwnqgs lpsvprlqls ngnrtltlfn vtrndarayv cqiqlsvsan rsdpvtldvl ygpdtpiisp
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701  li
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