

Specifications:

Gene:	hCEACAM1
Accession:	NP_001703
Insert size:	1594bp
Concentration:	10µg at 0.2µg/µL

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.

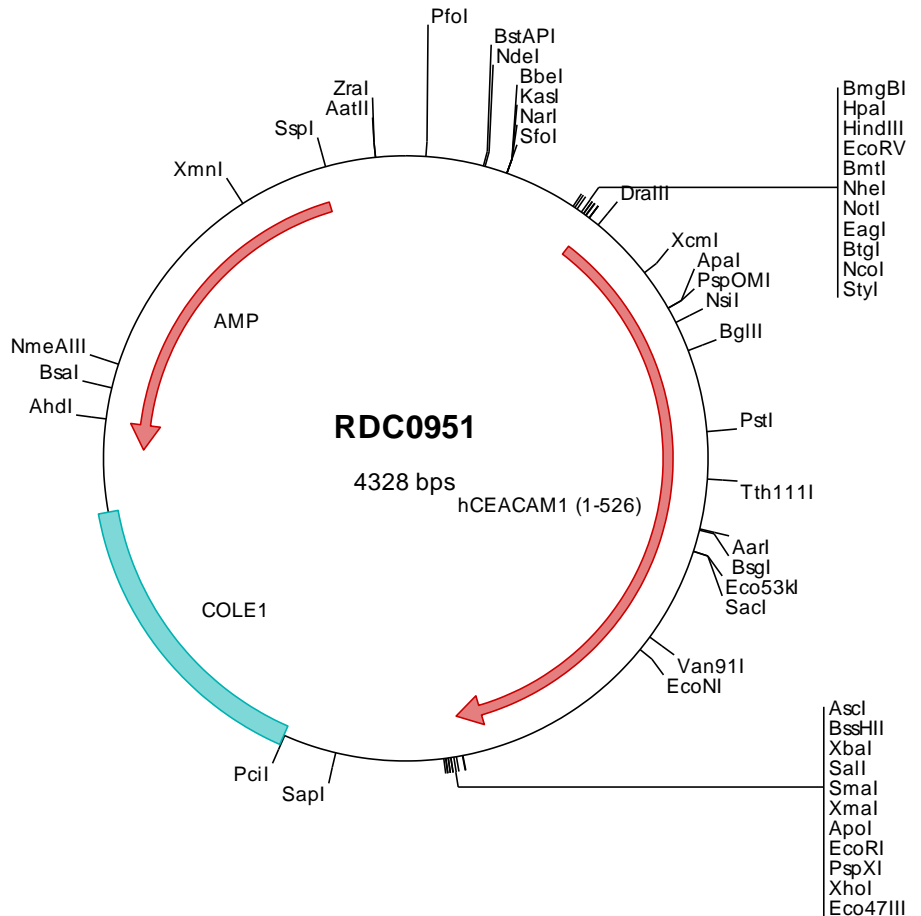
hCEACAM-1/CD66a cDNA Plasmid

CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) [*Homo sapiens* (human)]

Also known as: BGP; BGP1; BGPI

Summary:

CEACAM1 is a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. It functions as a cell-cell adhesion molecule and is detected on leukocytes, epithelia, and endothelia. CEACAM1 may also play a role in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Alternatively spliced transcripts encoding different proteins have been described.





> RDC0951 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atggggcacc tctcagcccc acttcacaga gtgcgtgtac cctggcaggg
501 gcttctgctc acagctccac ttctaaccct ctggaaccgc cccaccactg cccagctcac tactgaaatc atgcccattca atgttcgaga ggggaaggag
601 gttcttctcc ttgtocacaa tctgccccag caactttttg gctacagctg gtacaaaggg gaagagtgg atggcaaccg tcaattgta ggatgtgcaa
701 taggaactca acaagctacc ccaggggccc caaacagcgg togagagaca atatacccca atgcacccct gctgatccag aacgtcaacc agaatgacac
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901 agcaacaact ccaaccctgt ggaggacaag gatgctgtgg ccttccactg tgaacctgag actcaggaca caacctacct gtggtggata aacaatcaga
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1901 cacctaacaa gatgaatgaa gttacttatt ctaccctgaa ctttgaagcc cagcaaccca cacaaccaac ttcagcctcc ccatccctaa cagccacaga
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2301 ggagggcgcg tttgcgtatt gggcgtctct cgccttccc gctcactgac tctctgctg gctgcggcga cggctgctg gctgatacag ctcactcaaa
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4201 tatttagaaa aataaacaat taggggttcc gcgcacatt ccccgaaaa gtcaccctga cgtctaaaga accattatta tcatgacatt aacctataa
4301 aataggcgta tcacagggcc ctttctgct

> RDC0951 Translated Insert Sequence

1 mghlsaplhr vrvpwgqlll taslltfwnp pttaqlltes mpfnvaegke vlllvhnlpq qlfgyswykg ervdgnrqi v gyaigtqqat pgpansgret
101 iypnaslliq nvtqndtgyf tlqviksdlv neeatgqfhv ypelpkpsis snnsnpvedk davaftcepe tqdtylwiwi nnqslpvspr lqlsngnrtl
201 tllsvtrndt gpyeceiqnp vsanrsdpvt lnvtygpdtp tispsdtyyr pganlslscy aasnppaqys wlingtfqqs tqelfipnit vnnsqsyctch
301 annsvtgcnr ttvktiiyte lspvvakpqi kaskttvtgd kdsvnltcst ndtgisrww fknqslpsse rmlksgntt lsinpvkred agtywcevf n
401 pisknqsdpi mlnvynalp qenglspgai agvivgvval valiavalac flhfqktgra sdqrdlteh k psvsnhtqdh sndppnkme vtystlnfea
501 qqtqptsas psltateiyy sevkky