

Specifications:

Gene:	mCeacam1
Accession:	NP_001034274
Insert size:	1579bp
Concentration:	10µg at 0.2µg/µL

mCEACAM-1/CD66a cDNA Plasmid

Ceacam1 carcinoembryonic antigen-related cell adhesion molecule 1 [*Mus musculus* (house mouse)]

Also known as: Bgp; Cc1; Hv2; Bgp1; Cea1; Cea7; Hv-2; MHVR; bb-1; C-CAM; CD66a; Cea-1; Cea-7; MHVR1; Mhv-1; mCEA1; mmCGM1; mmCGM2; mmCGM1a

Summary:

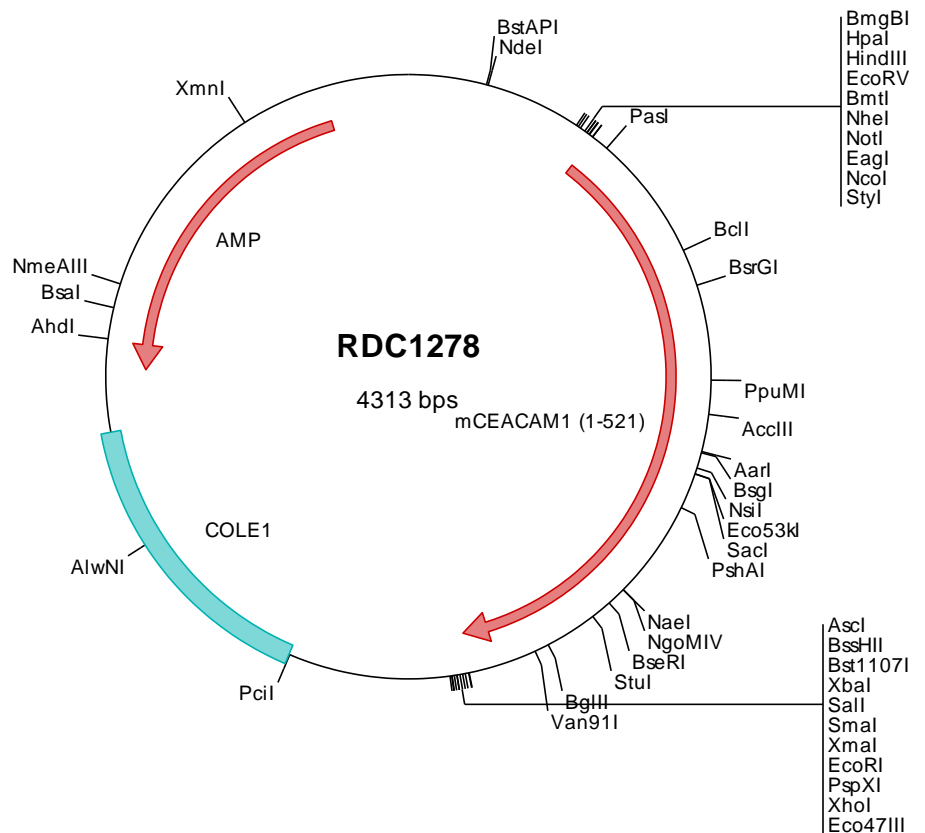
CEACAM1 is a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. It functions as a cell-cell adhesion molecule and is detected on leukocytes, epithelia, and endothelia. CEACAM1 may also play a role in the differentiation and arrangement of tissue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

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



> RDC1278 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta accgcaagggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgcacc atggagctgg cctcagcaca tctccacaaa gggcaggttc cctggggagg
501 actactgtct acagcctcac ttttagcctc ctggagcctt gccaccactg ctgaagtcaac cattgaggct gtgcgcgccc aggttctgta agacaacaat
601 gttctcttac ttgttccaaa tctgcccctg gogcttgagg cctttgctg gtacaaggga aacactacgg ctatagacaa agaattgca cgtattgtac
701 caaatagtaa tatgaatttc acggggcaag catacagcgg cagagagata atatacagca atggatccct gctcttccaa atgatcaaca tgaaggatag
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1701 caaaggagcc ctctcagatg gcgccattgc tggcctcgtg attggagttg tggctggggt ggcctcaata gcagggtcgg catatttct ctattccagg
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2101 gtttctctgt tgaattggtt atccgctcac aattccacac aacatacag ccggaagcat aaagtgtaaa gcctgggggtg cctaatgagt gagctaactc
2201 acattaattg cgttgcgctc actgcccgtt ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga ggcggtttgc
2301 gtattgggct ctcttcgctc tctcgtctca ctgactcgtc ggcctcggtc gttcggctgc gtcagctcag tcaaaaggcc tcaaaaggcc taatacgggt
2401 atccacagaa tcaggggata acgcaaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaacctg aaaaaggccg cgttgcctggc gtttttccat
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3601 tatggcttca ttcagctccg gttcccacag atcaaggcga gttactgat cccccatggt gtgcaaaaaa gcggttagct ccttcggtcc tccgatcgtt
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4301 agccctttc gtc

> RDC1278 Translated Insert Sequence

1 melasahlhk gqvpwgglll tasllaswsp attaevtiea vppqvaednn vlllvhnlpl algafawykg nttaidkeia rfvpnsmmf tgqaysgrei
101 iysngsllfq mitkmdmgvy tldmtdenyr rtgatvrfhv hpillkpnit snnsnpvegd dsvlstcdsy tdpdninylw srngeslseg drlklsegnr
201 tl1llnvtrn dtgpyvcetr npvsvnrslp fslniiygpd tpiispsdiy lhpgsnlnls chaasnppaq yfwlinekph assqelfipn ittnnsgtyt
301 cfvnsvtgl srttvknitv lepvtqpfllq vtnttvkeld svltlclsnd iganiquflfn sqslqlterm t1sqnnsilr idpkiredag eyqceisnvp
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501 ptsapspra tetvsevkk k