*m*EpCAM/TROP1 VersaClone cDNA

Catalog Number: RDC1282

Specifications:

Gene:	*m*Epcam
Accession:	NP_032558
Insert size:	961bp
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

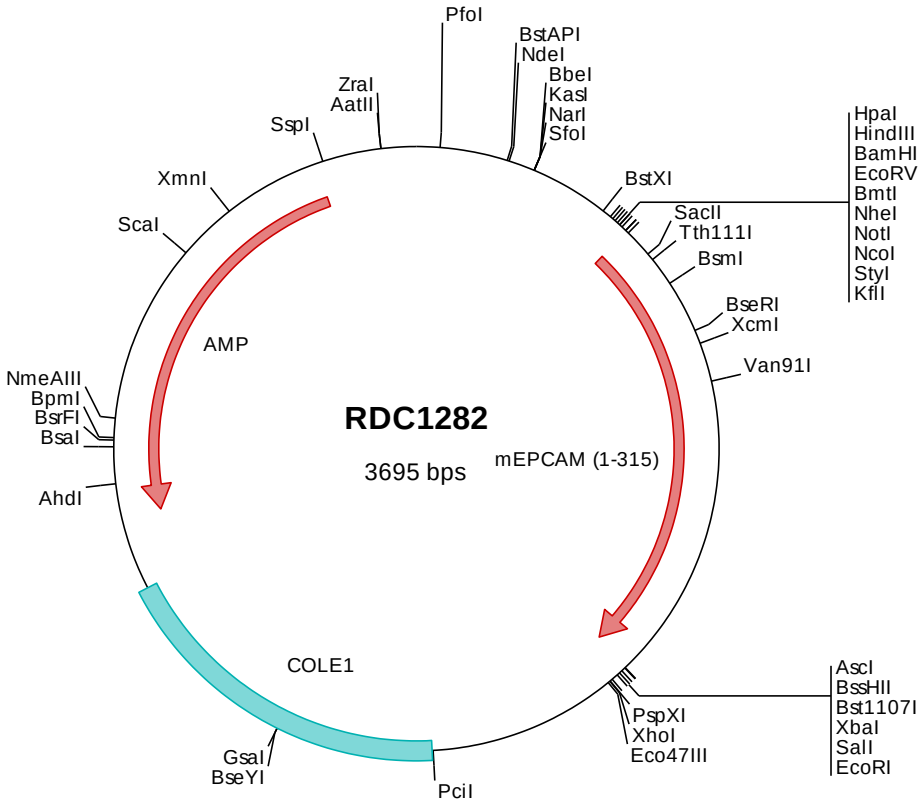
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*EpCAM/TROP1 cDNA Plasmid

Epcam epithelial cell adhesion molecule [*Mus musculus* (house mouse)]

Also known as: EGP; Ly74; gp40; CD326; EGP-2; TROP1; Egp314; Ep-CAM; EpCAM1; Tacsd1; GA733-2; Tacstd1

Summary:
EPCAM is a transmembrane glycoprotein expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. EPCAM may act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. EPCAM is being used as a target for immunotherapy treatment of human carcinomas. Mutations in EPCAM result in congenital tufting enteropathy.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1282 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcgggtc cccaggccct cgcgttcggg ctcctgctcg cggtggtcac
 501  agcgacgctg gccgcggctc agagagactg tgtctgtgac aactacaagc tggcaacaag ttgctctctg aatgaatatg gtgaatgcca gtgtacttcc
 601  tatggtacac agaatactgt catttgctcc aaactggcgt ctaaatgctt ggcgatgaaa gcagaaatga ctcacagcaa gtctgggagg aggataaagc
 701  ccgaaggggc gatccagaac aacgatgggc tgtacgaccc cgactgcgac gagcaggggc tcttcaaagc caagcagtgc aacggcaccg ccacgtgctg
 801  gtgtgtcaac accgccggag tccgaagaac cgacaaggac acggagatca cgtgctccga gcgcgtgagg acctactgga tcatcattga actaaaacac
 901  aaagaaagag aaagccccta cgaccatcag agcttgcaga ctgcgcttca agaggcgttc acatctcgat ataagctgaa tcagaaattt atcaaaaaca
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1101  aaaagatgtg aaggggagt ccctgttcca ttcttctaag agcatggacc tgagagtgaa cggagagccg ctcgatctgg accccgggca gactctgatt
1201  tactacgttg atgaaaaggc acccgagttc tccatgcagg gcctcacggc cgggatcatc gctgtcattg tggtggtgtc attagcagtc atcgcgggga
1301  ttgttgtcct ggttatatct acaaggaaga aatcagcaaa atatgagaag gctgagataa aggagatggg tgagatccac agagagctta atgcctaaag
1401  gcgcgccagt atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg
1501  ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc
1601  tcactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg
1701  cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga
1801  taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg ccccccctgac
1901  gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccctgg aagctccctc gtgcgctctc
2001  ctgttccgac cctgccgctt accggatacc tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt
2101  gtaggtcgtt cgctccaagc tgggctgtgt gcacgaaccc cccgttcagc ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caacccggta
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2401  cgctggtagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct tttctacggg gtctgacgct
2501  cagtggaacg aaaactcacg ttaagggatt ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaaatta aaaatgaagt tttaaatcaa
2601  tctaaagtat atatgagtaa acttggtctg acagttacca atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc
2701  ctgactcccc gtcgtgtaga taactacgat acgggagggc ttaccatctg gccccagtgc tgcaatgata ccgcgagacc cacgctcacc ggctccagat
2801  ttatcagcaa taaaccagcc agccggaagg gccgagcgca gaagtggtcc tgcaacttta tccgcctcca tccagtctat taattgttgc cgggaagcta
2901  gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt tgccattgct acaggcatcg tggtgtcacg ctcgtcgttt ggtatggctt cattcagctc
3001  cggttcccaa cgatcaaggc gagttacatg atcccccatg ttgtgcaaaa aagcggttag ctccttcggt cctccgatcg ttgtcagaag taagttggcc
3101  gcagtgttat cactcatggt tatggcagca ctgcataatt ctcttactgt catgccatcc gtaagatgct tttctgtgac tggtgagtac tcaaccaagt
3201  cattctgaga atagtgtatg cggcgaccga gttgctcttg cccggcgtca atacgggata ataccgcgcc acatagcaga actttaaaag tgctcatcat
3301  tggaaaacgt tcttcggggc gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac ccaactgatc ttcagcatct
3401  tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct
3501  tccttttca atattattga agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg
3601  cacatttccc cgaaaagtgc cacctgacgt ctaagaaacc attattatca tgacattaac ctataaaaat aggcgtatca cgaggccctt tcgtc
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> RDC1282 Translated Insert Sequence

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101  eqglfkakqc ngtatcwcvn tagvrrtdkd teitcservr tywiiielkh kerespydhq slqtalqeaf tsryklnqkf iknimyennv itidlmqnss
201  qktqddvdia dvayyfekdv kgeslfhssk smdlrvngep ldldpgqtli yyvdekapef smqgltagii avivvvslav iagivvlvis trkksakyek
301  aeikemgeih relna
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