

Specifications:

Gene:	mCD177
Accession:	NP_081138
Insert size:	2467bp
Concentration:	10µg at 0.2µg/µL

mCD177 cDNA Plasmid

Cd177 CD177 antigen [*Mus musculus*]

Also known as: Pdp3;

Summary:

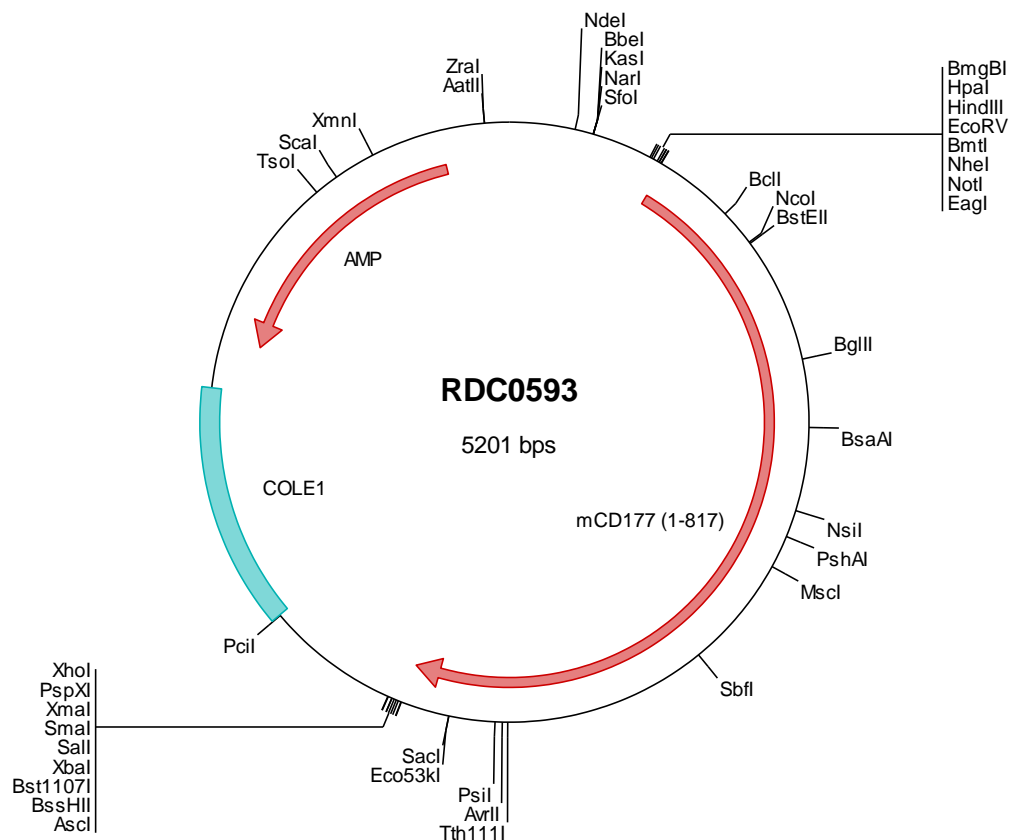
Neutrophil-specific glycoprotein CD177 is expressed on a subset of human neutrophils and has been shown to be a counter-receptor for platelet endothelial cell adhesion molecule-1 (PECAM-1, CD31). It has been reported to bind proteinase 3 (PR3), a serine protease released from activated neutrophils. A soluble form may also be produced by proteolytic cleavage at the cell surface.

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.





> RDC0593 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcattt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taacggcagc ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc gggcgccacc atgaattota taccagtgtg gacccttctg ggggtcaagg ccttcttacc
501 cgtctgacc gctctgacct gccagaaaag cagcgccacag gctgtgagga atgtggcaga gctgcccctc aggtggtggg gagctggtga gaaaacctgc
601 gaggttagcg aggggtgccca agaottgata atgctctgtg ataatggacc caaggtcaac ttggtgatca tcaagggtg caccgaggtt gaggaccaag
701 agccgaaagt gatctgctc aggacaggcc ctgggctctc tgtgtgttcc taacaccgtg tgtgtcgcca tgggtgacct tgcaatgatg tgaacgacac
801 taagatcctt gaggagctac ctacaaccac agttccaggg tccctgcgct gccactctg cctttctaata gacagctgtg agaatgcacc ggagcaggtc
901 tgccctgtgg gaagcaacaca ctgctacgat ggagtctca ggcctcaggg agatggcact aggaccaatc tcaagggtgca gggctgcatg gccccagccg
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2201 cagaacaac agagtgtctc tgttacaggg gtgtgatggt tgagcttggc aatggcttgg cggaggaacc tgtcaagtgg aggcaccagc ggtctcaggt
2301 gtgtgcaacct gatgagatg gtaagagac gctgctgctc atagactag gacaaaaatc agcctctctg gggagtaaaag cgtcagcagc tctggggggc
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2501 gcagcagttg ccttctaagg atctctcctc gtocagatgt tctctcccca ggagatgtgc agtgccccat gttgttagag ttattggatg cctgcaagag
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3001 aaattgttat ccgctcaca ttcccacaaa catacagacc ggaagcataa agtgtaaagc ctgggggtgc taatgagtga gctaactcac ataatgtgc
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5101 tccgcgcaca tttcccggaa aagtgcacc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggg gtaacagag gcctttctg
5201 c

> RDC0593 Translated Insert Sequence

1 mnsipvltl1 gvtallpcvp altcqkssaq avrnvaelp1 rwwgagetcv evsegcqdl1 mlllyngpkvn lviikgctev edqepkviwl rtgpglsvms
101 ytrvcrhgd1 cndvnsk1l eelptptvpg slrcplclsn dscenapeqv cpvgsthyd gvrlrlgdgi rnlkvggcm aqpdnclng tqaigtlyms
201 encdligppa ldcnsgslet vrnvsdlhls wttgwgtcea gegcyetvml iqnghefhmv ltkgctrdmn kkarlhrhrt ppgisvisyv hvcrdrdfcn
301 dlsttdplwt pppdtelgtl rcrhclstgs cvsaselvcp agsthcysgv lslrgggvis dlkvqgcisq spggcnllng tqtigpvdvr edcglqldal
401 kcqhgtlkti qdisklplq tagqkinvg ecqcdtlmli enegevnlvl tkgtctakdq eakvtehrtg pglsvtsytr vcrkkdfond lstaplwap
501 ppvtapgttr cplcfseqac enapeqvcpa gsthcysgv1 slrgggiisd lkvqgcmsqp gcnllngtqt igpvdvserc sppsettels cyrgvmfelg
601 ngfaeepvkw tapgsqvcap deicqetl1l1 idvgkksaf1 gskgcsspqa qdnlgvsifs rlpgm1vasy tkfcssh1cn gadsssvlls ilprpvpvpp
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801 glsallssly agicplc