

Specifications:

Gene:	mCD151
Accession:	NP_033972
Insert size:	774bp
Concentration:	10µg at 0.2µg/µL

mCD151 cDNA Plasmid

CD151 antigen [*Mus musculus*]

Also known as: SFA-1; PETA-3;
Tspan24

Summary:

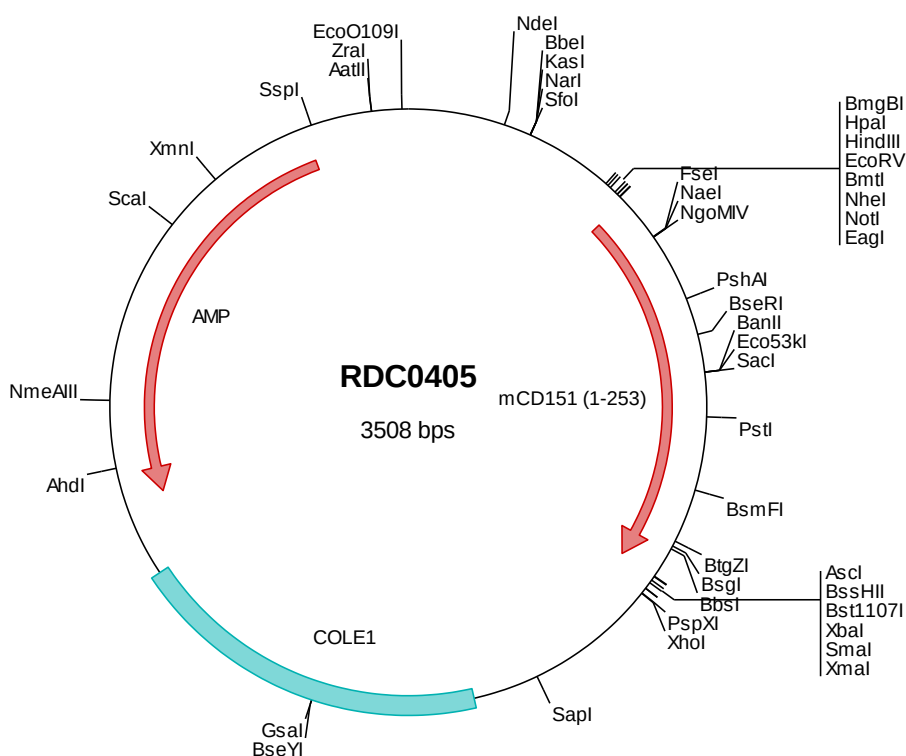
CD151 is a member of the tetraspanin family of membrane proteins. It is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. CD151 is crucially involved in the formation of the glomerular filtration barrier in humans and mice. It is highly expressed in endothelial cells and regulates pathologic angiogenesis. CD151 is a crucial modifier of integrin-mediated adhesion of podocytes to the glomerular basement membrane.

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.





> RDC0405 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggcgccacc atgggtgaat tcaatgagaa gaaggcaaca tgtggcacag tctgcctcaa
501  gtacotgctc tttaacctaca aetgctgctt ctggctggcc ggcctggctg tcattggcagt ggcatctg acactggccc tcaagagtga ctacattagt
601  ctgctggcct caagcaetta cctagccacg gcctacatct tagtgggtgg tggtgtgtgt gtcatggtga ctggagtctt gggtgtgtgt gccactttea
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2501 catccatagt tgctgactc cccgctgctg agataactac gatacgggag ggcttaccat ctggccccag tgctgcaatg ataccgcgag acccacgctc
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3401 taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta tcacgaggcc
3501 ctttctgc
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> RDC0405 Translated Insert Sequence

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101  flleiiagil ayvyyqqlnt elkenlkdtm vkryhqsghv gvssavdklq qefhccgsnn sqdwqdsawi rsgeadsrvv pdscccktmva gcgkrdrhasn
201  iykveggcct kletfiqehl rvigavgigi acvqvfgmif tcolyrslkl ehv
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