*m*Prominin 2 VersaClone cDNA

Catalog Number: RDC3196

Specifications:

Gene:	*m*Prom2
Accession:	AAM10543.1
Insert size:	2521bp
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

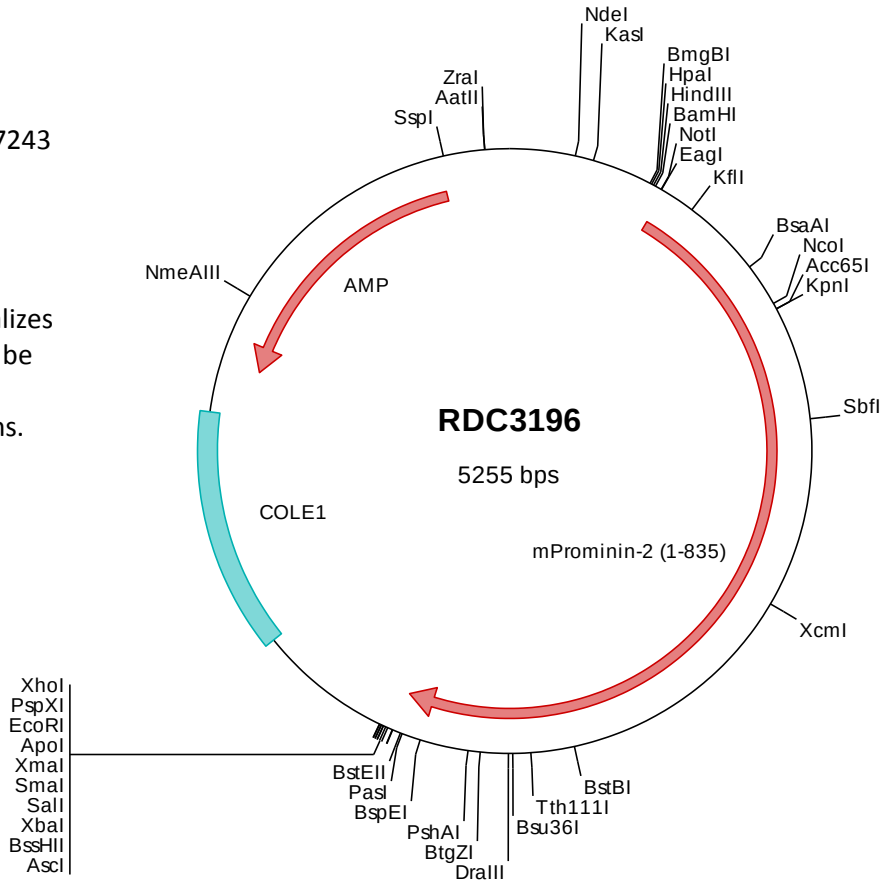
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*Prominin 2 cDNA Plasmid

Prom2 prominin 2 [*Mus musculus* (house mouse)]

Also known as: Prom-rp; AI507243

Summary:
Prominin 2 is a member of the prominin family of pentaspan membrane glycoproteins. It localizes to basal epithelial cells and may be involved in the organization of plasma membrane microdomains.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC3196 Plasmid DNA Sequence

```
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 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 atgacgcgct cacctggcct catggtgccc ctgctgggcc tgagcctggg
 501  actggccctg agcctgcccg aagctgtgac agacgactgc gggtccctcg ggcgcgtgga gcacctggca ttcgctcggg tgcccaggac acgagagctg
 601  gcccctcttg ttcgcgcgtc ggggcccctg aactccctct atggcaccgt gcgacgattc ctctccgtgg ttcaacttaa ccccttcccg gcagagttga
 701  taaagaccct gctgaatgac ccatcttctg tgaagacaga tgaggtggtt cgatatgagg caggctacgt ggtgtgtgct gtgattgctg gcctctacct
 801  cctattggtg cccatcactg ggctctgctt ctgttgctgt cgctgccgcc agcgctgtgg gggcagagtg aagacggagc acaaggccat ggcctgtgaa
 901  cgtggtaccc tcatgatctt cctgctgctg accaccctcg tgcttctgat tggtatggtc tgtgcttttg ctacaaacca acacacacat agtcagacgg
1001  ggcccagtgt gaaagctgtc cctgagaccc tgctcagcct aagaggcctg gtctctgatg tccctgaaga gctgcgggcc attgctgagc agttctctgt
1101  gcctcagaag caagtctcaa aggagctgga tggtgttggt gagaaccttg ggaacgtaat tcataaccgg ctcaagagca cagtgtaccc agtgctagcc
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1401  tctgcaactg ggcgctgact ttagccagac gccccctgtg gatgatgtcc tgcatcggct gaaggatgtc ccagaaacca acttctccag catggtccag
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1601  ggttgaggat gctggcccaa gcgttcccag gttcagaggc agcctcccgc tggagccagg cactggaggg gctggaacag cgcagccgcc cctacttgca
1701  ggaggtgcaa caatatgaga catacaggtg gattttggga tgcgtgctgt gctctgccat cctgcttgtg gtgatctgta acctgctggg cctcagcctg
1801  ggcatctggg ggttgtttgc cagggaggac cccagccact ctgaaaccaa gggcgaggct ggagcccgcc tcctcatggc aggtgtggcc ttcagcttcc
1901  tcttcgcagt ccccctcatc ctcctcgtct tcgtcacttt cctggtgggt ggcaatgtgc agacgctggt gtgccggagc tgggagagtg gagagctgta
2001  tgagtttgca gacactccgg ggaacttgcc accatccatg aacctatcct atcttcttgg cctgaagaaa aacatcagta tcgtccaggc ctatcgacag
2101  tgtaaggcag gggcagtact ctggaaggtt ctacagctca atgactcgta tgacctggat aagcacctgg atatcaaaca gtatacccac aagattcagc
2201  aggagcttca gagcttccaa gtagatttga aggagctaga cctgttgagc cccactgccc gccaggacct ggaggctttg cagaggagcg ggctggagaa
2301  aatccactac agaggcttcc ttgtgcagat ccagaagcct gtggtgaaca ctgacatgtg gcagctggcg caggagctgg aaggactggc ccaggcccaa
2401  aatgactctt tactgaggca gcagctacag gaggaggcca gagaacttcg aagcctctac caggagaagg ttgtccccca ggagagcctt gtgaccaagc
2501  tcaacttcag tgtcaagacc ttggagtcct tggccccaag tctgcaggtg aatacctcag actttcttga cagtgtcacc cgtctaaaag gagagctgcc
2601  tgtgcagatc aaccacatcc tgaggaatgc cactgagtgt ttcctgacca gggaaatggg ctacttctct cagtatgtga cctgggtgag agcagaggtg
2701  actcagcgca tcgccacctg ccagcccttc tctacagccc tggacaatgg tcatgtgatc ctgtgtgaca tgatggctga cccctggaac gccttctggt
2801  tttgcctggg gtggtgcacc ttcttcctca tccccagcat catcttcgct gtcaagacct ccaaatactt ccgtcccatc cggaaacgcc tcagctccac
2901  cagctctgaa gagacacaac ttttccatat ccccagggtc acctctctga agctataaag gcgcgccagt atactctaga gtcgacaccc ggggaattcc
3001  tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc
3101  ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc
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3701  cccgttcagc ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caacccggta agacacgact tatcgccact ggcagcagcc actggtaaca
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> RDC3196 Translated Insert Sequence

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 101  ryeagyvvca viaglylllv pitglcfccc rcrqrcggrv ktehkamace rgtlmiflll ttlvlligmv cafatnqhth sqtgpsvkav petllslrgl
 201  vsdvpeelra iaeqfsvpqk qvskeldgvg enlgnvihnr lkstvypvla svhslgqalq vsidhlraln ttsvelqeaq rhleppvqah rerllallqd
 301  swcheenckr vlsqagalql gadfsqtppv ddvlhrlkdv petnfssmvq eekatfnnlp llvqvqavsv vkdvkkalae qpeglrmlaq afpgseaasr
 401  wsqalegleq rsrpylqevq qyetyrwilg cvlcsaillv vicnllglsl giwglfared pshsetkgea garllmagva fsflfavpli llvfvtflvg
 501  gnvqtlvcrs wesgelyefa dtpgnlppsm nlsyllglkk nisivqayrq ckagavlwkv lqlndsydld khldikqyth kiqqelqsfq vdlkeldlls
 601  ptarqdleal qrsglekihy rgflvqiqkp vvntdmwqla qeleglaqaq ndsllrqqlq eearelrsly qekvvpqesl vtklnfsvkt leslapslqv
 701  ntsdfldsvt rlkgelpvqi nhilrnatec fltremgyfs qyvtwvraev tqriatcqpf staldnghvi lcdmmadpwn afwfclgwct fflipsiifa
 801  vktskyfrpi rkrlsstsse etqlfhiprv tslkl
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