

Specifications:

Gene:	<i>mAtp6ap2</i>
Accession:	NP_081715
Insert size:	1066bp
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.

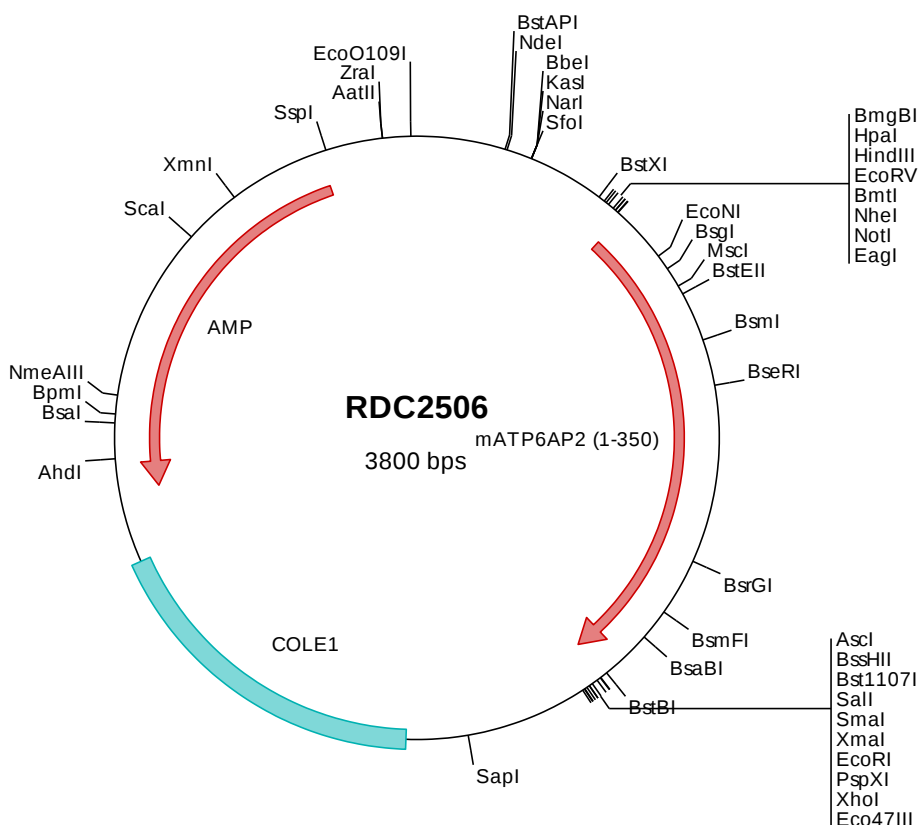
**mRenin R cDNA
Plasmid**

Atp6ap2 ATPase, H⁺ transporting, lysosomal accessory protein 2 [*Mus musculus* (house mouse)]

Also known as: PRR; M8-9; (P)RR; Atp6ip2; APT6M8-9; ATP6M8-9; 5730403E06Rik

Summary:

Renin R is expressed on the surface of macrophages, vascular smooth muscle cells, renal mesangial cells and T cells. It binds both renin and prorenin, promoting the conversion of angiotensinogen to angiotensin I. Also, its ligation induces PAI-1 synthesis.



> RDC2506 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgat
401  ggagacgtgt taacaagctt ggtccgata tcgctagcgc ggcgcgcaacc atggctgtgc tggctgttct cctgttcttt ctggtggcgg gtgctttagg
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601  atgggcttct ctgtaaagga agacctgtct tggccagggc ttgcccgtgg taacctatct caccggccac gggctacatc tatggtgatg gtgaaggggg
701  tggataaaact ggcaacttcg gcaggcagcg tcactctcta ccccttggag aatgcagttc cttttagtct agacagcgtt gcaaattcca ttactctct
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> RDC2506 Translated Insert Sequence

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201  hkhklakdhsp dlyslslagf delgkryged seqfrdaski lvdalqkfad dmlysyggna vvelvtvksf dtslvkrst ileakqentq spynlaykyn
301  leysvvnflv lwimiglala viitsyniwn mdpgydsiiy rmtngkirid

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