

**Specifications:**

Gene:	mAdam17
Accession:	AAC62934.1
Insert size:	2497bp
Concentration:	10µg at 0.2µg/µL

**mTACE/ADAM17  
cDNA Plasmid**

**Adam17 a disintegrin and metalloproteinase domain 17**  
[ *Mus musculus* (house mouse) ]

**Also known as:** Tac; Tace; CD156b

**Summary:**

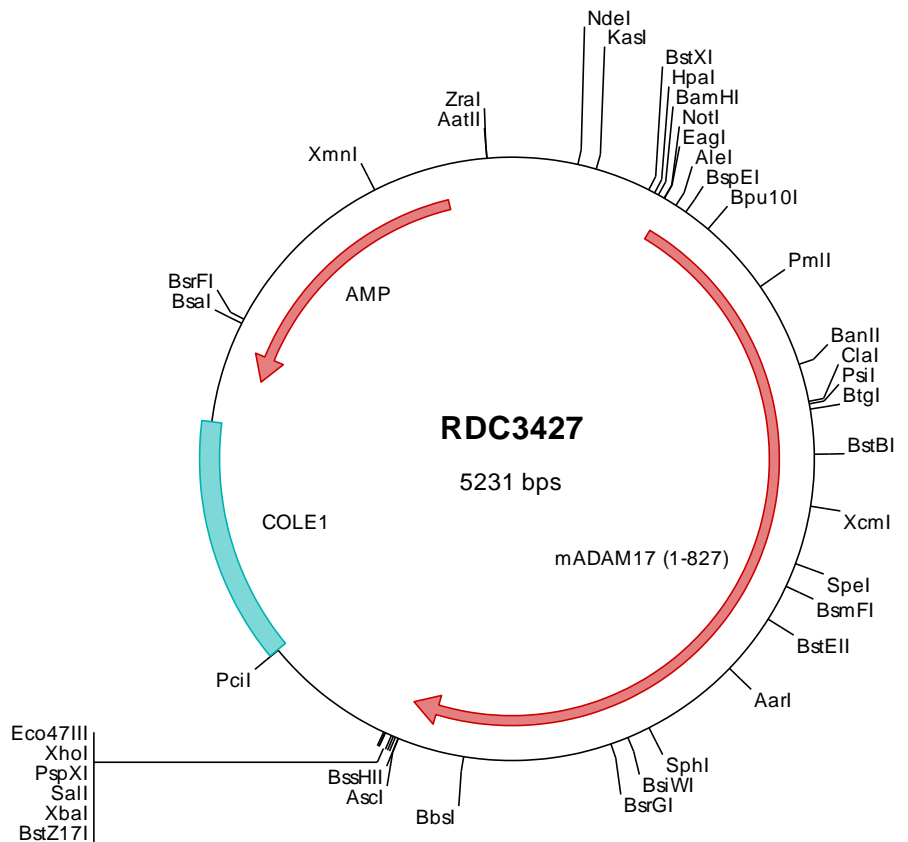
ADAM17 is a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. ADAM17 undergoes proteolytic processing to generate a mature enzyme that is involved in the proteolytic release of membrane-bound proteins in a process called ectodomain shedding. Mice lacking ADAM17 die in utero or fail to survive beyond one week of age.

**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.



> RDC3427 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgc ggtgaaacc totgacacat gcagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagccc
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtg accatateg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtcggggcc tcttcgctat
301  tacgcccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgcccagggt ttcccagctc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgaggcggc gtctctctat cctgaccact ttggtgcctt tcgtcotggt
501  acccgcacct ccggaggaag caggctctgg ctccatccgc gcacttgaga agcttgattc ttgtctctca gactacgaca tctctctctt agtataatt
601  cagcagcact ccataaggaa aagggatcta cagtctgcga cacacttaga aacattacta actttttcag ctttggaaa gcattttaaa ttactattga
701  catcaagtac cgaacgtttt gcacaaaact tgagagtcgt ggtggtggac gggaaaagaag aaagcgagta cagcgtgaag tggcaggact tcttcagttg
801  tcacgtggtt ggtgagcctg actctagggt tctagcccac atagagatg atgatgttac agtgagaaac aacacagatg gggcagaata taacgtagag
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2401 cgtattttgg attcatttga ccagctgagc atcaaacact ttgtggaagt tctggcaagt aacatctgtg ggtctgttct ggtttctctc ttgatatttt
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> RDC3427 Translated Insert Sequence

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1   mrrrllilt lvpfvlaprp peeaagshp rlekldsls dydilslani qhsirkrdl qsathletl tfsalkrhfk lytsterf sqnlrvvvvd
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201  drepseefvr rvkrraepnp lkntckllvv adhrfykymg rgeesttny lielidrvdd iyrntswdna gfkgygvqie qirilksqpe vkpgerhfnm
301  aksfpneekd awdkmlleg fsfdiaeeas kvclahlfty qdfdmgtlgl ayvgsprans hggvcpkayy nptvkkniyl nsgltstkny gktiltkead
401  lvttelghn fgaehdpdgl aecapnedqg gkyvmpiaiv sgdhennkmf sncksksiyk tieskacecf qersnkvcgn srvedgeecd pgimylndt
501  cnsdctlkp gwqcsdrnsp cckncqfeta qkkcqeaina tckgvsyctg nscepppgd aeddvtvldl gkckagkqip fckregeles caciddansc
601  kvccrnlsqp cvpyvdaeql nflrlkgkpc tvgfdcmngk cekrvqdvie rfwdfidqls intfkgflad nivgsvlvfs lifwipfsil vhcvdkkldk
701  qyeslslfhh sniemlssmd sasvriikpf papqtpgrlq alqpaammpv vpaapklhdq rmtiqedps tdshaddgdf ekdpfpnsst aaksfedltd
801  hvptrsekaa sflkqrqsrv dsketec

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