*m*ADORA2B VersaClone cDNA

Catalog Number: RDC2227

Specifications:

Gene:	*m*Adora2b
Accession:	NP_031439
Insert size:	1012bp
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

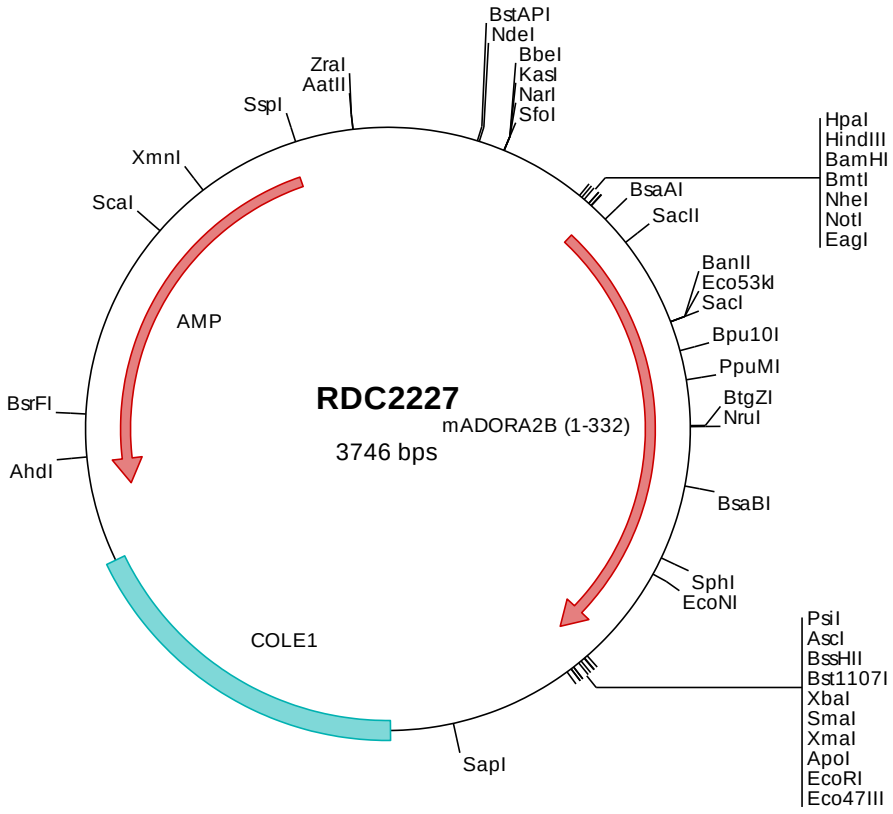
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*ADORA2B cDNA Plasmid

Adora2b adenosine A2b receptor [*Mus musculus* (house mouse)]

Also known as: A2b; A2BR; A2BAR; AA2BR; AI480866; AI605384

Summary:
ADORA2B is an adenosine receptor that is a member of the G protein-coupled receptor superfamily. ADORA2B stimulates adenylate cyclase activity in the presence of adenosine. It also interacts with netrin-1, which is involved in axon elongation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2227 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 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 atgcagctag aaacgcaaga cgcgctgtac gtggcgctgg agctggttat
 501  cgctgcgctg gcggtggcgg gcaacgtgct ggtgtgcgcc gcggtgggag cctcgagtgc attacagacc cccaccaact actttctggt atccctggcg
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 701  tcgtgctggt gctcacacag agctccatct ttagcctctt ggcggtggct gtcgaccgat atctggccat tcgcgtcccg ctcaggtata aaggtttggt
 801  cactgggaca cgagcgagag ggatcattgc tgtcctctgg gtccttgcct ttggcattgg attgactccg ttcctggggt ggaacagtaa agacagtgcc
 901  accagcaact gcacagaact gggggatggc atcgcgaata aaagctgctg tcctgtgaca tgtctctttg agaatgtggt ccccatgagc tacatggtgt
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1701  gaatcggcca acgcgcgggg agaggcggtt tgcgtattgg gcgctcttcc gcttcctcgc tcactgactc gctgcgctcg gtcgttcggc tgcggcgagc
1801  ggtatcagct cactcaaagg cggtaatacg gttatccaca gaatcagggg ataacgcagg aaagaacatg tgagcaaaag gccagcaaaa ggccaggaac
1901  cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc gccccctga cgagcatcac aaaaatcgac gctcaagtca gaggtggcga aacccgacag
2001  gactataaag ataccaggcg tttcccctg gaagctccct cgtgcgctct cctgttccga ccctgccgct taccggatac ctgtccgcct ttctcccttc
2101  gggaagcgtg gcgctttctc aatgctcacg ctgtaggtat ctcagttcgg tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc ccccgttcag
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2601  aaaggatctt cacctagatc cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggtct gacagttacc aatgcttaat
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2901  ctgcaacttt atccgcctcc atccagtcta ttaattgttg ccgggaagct agagtaagta gttcgccagt taatagtttg cgcaacgttg ttgccattgc
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3601  cggatacata tttgaatgta tttagaaaaa taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc
3701  atgacattaa cctataaaaa taggcgtatc acgaggccct ttcgtc
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> RDC2227 Translated Insert Sequence

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 101  vdrylairvp lrykglvtgt rargiiavlw vlafgigltp flgwnskdsa tsnctelgdg iankscpvt clfenvvpms ymvyfnffgc vlpplimlv
 201  iyikifmvac kqlqrmelmd hsrttlqrei haakslamiv gifalcwlpv haincitlfh palakdkpkw vmnvaillsh ansvvnpivy ayrnrdfrys
 301  fhkiisryvl cqaetkggsg qagaqstlsl gl
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