*h*P2RY12 VersaClone cDNA

Catalog Number: RDC0339

Specifications:

Gene:	*h*P2RY12
Accession:	NP_073625
Insert size:	1041bp
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

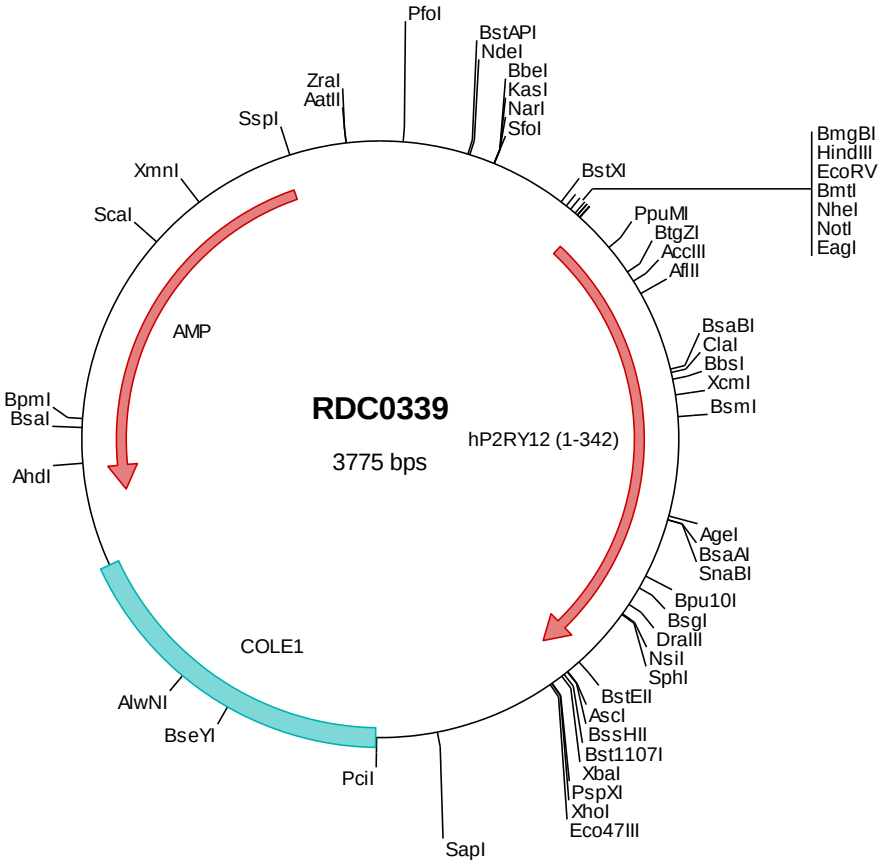
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*P2RY12 cDNA Plasmid

P2RY12 purinergic receptor P2Y, G protein-coupled, 12 [*Homo sapiens*]

Also known as: HORK3; P2Y12; ADPG-R; BDPLT8; SP1999; P2T(AC); P2Y(AC); P2Y(ADP); P2Y(cyc)

Summary:
P2RY12 belongs to the family of G protein-coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. P2RY12 is highly expressed in platelets. It is expressed at lower levels in brain. P2RY12 is involved in platelet aggregation. It is a potential target for the treatment of thromboembolisms and other clotting disorders.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0339 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 atgcaagccg tcgacaacct cacctctgcg cctgggaaca ccagtctgtg
 501  caccagagac tacaaaatca cccaggtcct cttcccactg ctctacactg tcctgttttt tgttggactt atcacaaatg gcctggcgat gaggattttc
 601  tttcaaatcc ggagtaaatc aaactttatt atttttctta agaacacagt catttctgat cttctcatga ttctgacttt tccattcaaa attcttagtg
 701  atgccaaact gggaacagga ccactgagaa cttttgtgtg tcaagttacc tccgtcatat tttatttcac aatgtatatc agtatttcat tcctgggact
 801  gataactatc gatcgctacc agaagaccac caggccattt aaaacatcca accccaaaaa tctcttgggg gctaagattc tctctgttgt catctgggca
 901  ttcatgttct tactctcttt gcctaacatg attctgacca acaggcagcc gagagacaag aatgtgaaga aatgctcttt ccttaaatca gagttcggtc
1001  tagtctggca tgaaatagta aattacatct gtcaagtcat tttctggatt aatttcttaa ttgttattgt atgttataca ctcattacaa aagaactgta
1101  ccggtcatac gtaagaacga ggggtgtagg taaagtcccc aggaaaaagg tgaacgtcaa agttttcatt atcattgctg tattctttat ttgttttgtt
1201  cctttccatt ttgcccgaat tccttacacc ctgagccaaa cccgggatgt ctttgactgc actgctgaaa atactctgtt ctatgtgaaa gagagcactc
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1601  acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc
1701  gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg
1801  ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt
1901  gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg cccccctgac gagcatcaca aaaatcgacg
2001  ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccctgg aagctccctc gtgcgctctc ctgttccgac cctgccgctt
2101  accggatacc tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc
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2701  acttggtctg acagttacca atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga
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2901  agccggaagg gccgagcgca gaagtggtcc tgcaacttta tccgcctcca tccagtctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt
3001  aatagtttgc gcaacgttgt tgccattgct acaggcatcg tggtgtcacg ctcgtcgttt ggtatggctt cattcagctc cggttcccaa cgatcaaggc
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3201  tatggcagca ctgcataatt ctcttactgt catgccatcc gtaagatgct tttctgtgac tggtgagtac tcaaccaagt cattctgaga atagtgtatg
3301  cggcgaccga gttgctcttg cccggcgtca atacgggata ataccgcgcc acatagcaga actttaaaag tgctcatcat tggaaaacgt tcttcggggc
3401  gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc
3501  tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct tccttttca atattattga
3601  agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg cacatttccc cgaaaagtgc
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> RDC0339 Translated Insert Sequence

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101  svifyftmyi sisflgliti dryqkttrpf ktsnpknllg akilsvviwa fmfllslpnm iltnrqprdk nvkkcsflks efglvwheiv nyicqvifwi
201  nflivivcyt litkelyrsy vrtrgvgkvp rkkvnvkvfi iiavfficfv pfhfaripyt lsqtrdvfdc taentlfyvk estlwltsln acldpfiyff
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