OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC311142

PPAN-P2RY11 (NM_001040664) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAN-P2RY11 (NM_001040664) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPAN-P2RY11
Synonyms:	BXDC3; P2RY11; P2Y11; PPAN; Ssf-1; SSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC311142 representing NM_001040664.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGACAGTCAGGGAGGTCCCGGCACCAGAAGCGCGCCCGCGCCCAGGCGCAGCTCCGCAACCTCGAG
GCCTATGCCGCGAACCCGCACTCGTTCGTGTTCACGCGAGGCTGCACGGGTCGCAACATCCGGCAGCTC
AGCCTGGACGTGCGGCGGGTCATGGAGCCGCTCACTGCCAGCCGTCTGCAGGTTCGTAAGAAGAACTCG
CTGAAGGACTGCGTGGCAGTGGCTGGGCCCCTCGGGGTCACACACTTTCTGATCCTGAGCAAAACAGAG
ACCAATGTCTACTTTAAGCTGATGCGCCTCCCAGGAGGCCCCACCTTGACCTTCCAGGTCAAGAAGTAC
TCGCTGGTGCGTGATGTGGTCTCCTCACTGCGCCGGCACCGCATGCACGAGCAGCAGTTTGCCCACCCA
CCCCTCCTGGTACTCAACAGCTTTGGCCCCCATGGTATGCATGTGAAGCTCATGGCCACCATGTTCCAG
AACCTGTTCCCCTCCATCAACGTGCACAAGGTGAACCTGAACACCATCAAGCGCTGCCTCCTCATCGAC
TACAACCCCGACTCCCAGGAGCTGGACTTCCGCCACTATAGCATCAAAGTTGTTCCTGTGGGCGCGAGT
CGCGGGATGAAGAAGCTGCTCCAGGAGAAGTTCCCCAACATGAGCCGCCTGCAGGACATCAGCGAGCTG
CTGGCCACGGGCGCGGGGCTGTCGGAGAGCGAGGCAGAGCCTGACGGCGACCACAACATCACAGAGCTG
CCTCAGGCTGTCGCTGGCCGTGGCAACATGCGGGCCCAGCAGAGTGCAGTGCGGCTCACCGAGATCGGC
CCGCGGATGACACTGCAGCTCATCAAGGTCCAGGAGGGCGTCGGGGAGGGCAAAGTGATGTTCCACAGT
TTTGTGAGCAAGACGGAGGAGGAGCTGCAGGCCATCCTGGAAGCCAAGGAGAAGAAGCTGCGGCTGAAG
GCGCAGAGGCAGGCCCAGCAGGCCCAGAATGTGCAGCGCAAGCAGGAGCAGCGGGAGGCCCACAGAAAG
AAGAGCCTGGAGGGCATGAAGAAGGCACGGGTCGGGGGTAGTGATGAAGAGGCCTCTGGGATCCCTTCA
AGGACGGCGAGCCTGGAGTTGGGTGAGGACGATGATGAACAGGAAGATGATGACATCGAGTATTTCTGC
CAGGCGGTGGGCGAGGCGCCCAGTGAGGACCTGTTCCCCGAGGCCAAGCAGAAACGGCTTGCCAAGTCT
CCAGGGCGGAAGCGGAAGCGGTGGGAAATGGATCGAGGTGCCAAGTCCTGCCCTGCCAACTTCTTGGCA
GCTGCCGACGACAAACTCAGTGGGTTCCAGGGGGACTTCCTGTGGCCCATACTGGTGGTTGAGTTCCTG
GTGGCCGTGGCCAGCAATGGCCTGGCCCTGTACCGCTTCAGCATCCGGAAGCAGCGCCCATGGCACCCC
GCCGTGGTCTTCTCTGTCCAGCTGGCAGTCAGCGACCTGCTCTGCGCCCTGACGCTGCCCCCGCTGGCC
GCCTACCTCTATCCCCCCAAGCACTGGCGCTATGGGGAGGCCGCGTGCCGCCTGGAGCGCTTCCTCTTC
ACCTGCAACCTGCTGGGCAGCGTCATCTTCATCACCTGCATCAGCCTCAACCGCTACCTGGGCATCGTG
CACCCCTTCTTCGCCCGAAGCCACCTGCGACCCAAGCACGCCTGGGCCGTGAGCGCTGCCGGCTGGGTC
CTGGCCGCCCTGCTGGCCATGCCCACACTCAGCTTCTCCCACCTGAAGAGGCCGCAGCAGGGGGCGGGC
AACTGCAGCGTGGCCAGGCCCGAGGCCTGCATCAAGTGTCTGGGGACAGCAGACCACGGGCTGGCGGCC
TACAGAGCGTATAGCCTGGTGCTGGCGGGGTTGGGCTGCGGCCTGCCGCTGCTGCTCACGCTGGCAGCC
TACGGCGCCCTCGGGCGGGCCGTGCTACGCAGCCCAGGCATGACTGTGGCCGAGAAGCTGCGTGTGGCA
GCGTTGGTGGCCAGTGGTGTGGCCCTCTACGCCAGCTCCTATGTGCCCTACCACATCATGCGGGTGCTC
AACGTGGATGCTCGGCGGCGCTGGAGCACCCGCTGCCCGAGCTTTGCAGACATAGCCCAGGCCACAGCA
GCCCTGGAGCTGGGGCCCTACGTGGGCTACCAGGTGATGCGGGGCCTCATGCCCCTGGCCTTCTGTGTC
CACCCTCTACTCTACATGGCCGCAGTGCCCAGCCTGGGCTGCTGCTGCCGACACTGCCCCGGCTACAGG
GACAGCTGGAACCCAGAGGACGCCAAGAGCACTGGCCAAGCCCTGCCCCTCAATGCCACAGCCGCCCCT
AAACCGTCAGAGCCCCAGTCCCGTGAGCTGAGCCAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001040664

Insert Size: 2385 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001040664.2
RefSeq Size:	3208 bp
RefSeq ORF:	2385 bp
Locus ID:	692312
UniProt ID:	Q9NQ55
Cytogenetics:	19p13.2
Protein Families:	Stem cell - Pluripotency, Transmembrane
MW:	87.9 kDa

Gene Summary:

This locus represents naturally occurring read-through transcription between the adjacent PPAN and P2RY11 genes. Alternative splicing results in two transcript variants, one of which encodes a fusion protein that shares sequence identity with each individual gene product. This transcript is found to be ubiquitously expressed and is up-regulated by agents inducing granulocytic differentiation. However, its functional significance in vivo remains unclear. [provided by RefSeq, Nov 2010]
Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1), which is a fusion of the PPAN and P2RY11 products. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.