

## Product datasheet for **RC224557**

### PPAN-P2RY11 (NM\_001040664) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPAN-P2RY11 (NM_001040664) Human Tagged ORF Clone
Tag:	Myc-DDK
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)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC224557 representing NM\_001040664  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGACAGTCAGGGAGTCCCAGCACCAAGCGCGCCCGCCAGGCGCAGTCCGCAACCTCGAGG  
 CCTATGCCGGAACCCGACTCGTTCGTGTTACGCGAGGCTGCACGGTTCGCAACATCCGGCAGCTCAG  
 CCTGGACGTGCGGCGGGTCATGGAGCCGCTACTGCCAGCCGTCTGCAGGTTCTGAAGAAGAACTCGCTG  
 AAGGACTGCGTGGCAGTGGTGGCCCCCTCGGGTTCACACTTTCTGATCCTGAGCAAAACAGAGACCA  
 ATGTCTACTTTAAGCTGATGCGCCTCCCAGGAGGCCACCTTGACCTTCCAGGTGAAGAAGTACTCGCT  
 GGTGCGTGTGGTCTCCTCACTGCGCCGACCGCATGCACGAGCAGCAGTTTGGCCACCCACCCCTC  
 CTGGTACTCAACAGCTTTGGCCCCATGGTATGCATGTGAAGCTCATGGCCACCATGTTCCAGAACCTGT  
 TCCCTCCATCAACGTGCACAAGGTGAACCTGAACACCATCAAGCGCTGCCTCCTCATCGACTACAACCC  
 CGACTCCCAGGAGCTGGACTTCCGCCACTATAGCATCAAAGTTGTTCTGTGGGCGGAGTCGCGGGATG  
 AAGAAGCTGCTCCAGGAGAAGTTCCTCAACATGAGCCGCTGCAGGACATCAGCGAGCTGCTGGCCACGG  
 GCGCGGGGCTGTGCGAGAGCGAGGCAGAGCCTGACGGCGACCACAACATCACAGAGCTGCCTCAGGCTGT  
 CGCTGGCCGTGGCAACATGCGGGCCAGCAGAGTGCAGTGCAGGCTCACCGAGATCGGCCCGGGATGACA  
 CTGCAGCTCATCAAGTCCAGGAGGGCGTGGGGAGGGCAAAGTATGTTCCACAGTTTTGTGAGCAAGA  
 CGGAGGAGGAGCTGCAGGCCATCCTGGAAGCAAGGAGAAGAAGTGCAGGCTGAAGGCGCAGAGGACGGC  
 CCAGCAGGCCAGAAATGTGCAGCGCAAGCAGGAGCAGCGGGAGGGCCACAGAAAGAAGAGCCTGGAGGGC  
 ATGAAGAAGGCACGGGTGGGGGTAGTATGAAGAGCCCTCTGGGATCCCTTCAAGGACGGCGAGCCTGG  
 AGTTGGGTGAGGACGATGATGAACAGGAAGATGATGACATCGAGTATTTCTGCCAGGCGGTGGCGAGGC  
 GCCCAGTGAGGACCTGTTCCCGAGGCCAAGCAGAAACGGCTTGCCAAGTCTCCAGGGCGGAAGCGGAAG  
 CGGTGGGAAATGGATCGAGGTGCCAAGTCTGCCCTGCCAATTCTTGGCAGTGCAGCAGCAAACTCA  
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 CTGGCAGTCAGCGACCTGCTCTGCGCTCTGACGCTGCCCCGCTGGCCGCTACCTCTATCCCCCAAGC  
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 CATCTTCATCACCTGCATCAGCCTCAACCGCTACCTGGGCATCGTGACCCCTTCTTCGCCGAAGCCAC  
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 CACTCAGCTTCTCCACCTGAAGAGGCCGAGCAGGGGGCGGGCAACTGCAGCGTGGCCAGGCCCGAGGC  
 CTGCATCAAGTGTCTGGGACAGCAGACCAGGGCTGGCGGCTACAGAGCGTATAGCCTGGTGTGGCG  
 GGGTTGGGCTGCGGCTGCCGCTGCTGCTCACGCTGGCAGCCTACGGCGCCCTCGGGCGGGCCGTGCTAC  
 GCAGCCCAGGCATGACTGTGGCCGAGAAGTGCAGTGTGGCAGCGTTGGTGGCCAGTGGTGTGGCCCTCTA  
 CGCCAGCTCCTATGTGCCCTACCACATCATGCGGGTGTCAACGTGGATGCTCGGCGGCGCTGGAGCACC  
 CGCTGCCCGAGCTTTGCAGACATAGCCCAGGCCACAGCAGCCCTGGAGCTGGGGCCCTACGTGGGCTACC  
 AGGTGATGCGGGGCTCATGCCCTGGCCTTCTGTGTCCACCCTACTCTACATGGCCGAGTGGCCAG  
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 GGCCAAGCCCTGCCCTCAATGCCACAGCGCCCTAAACCGTCAAGAGCCCAAGTCCCGTGGAGCTGAGCC  
 AA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC224557 representing NM\_001040664  
Red=Cloning site Green=Tags(s)

MGQSGRSRHRQKRARAQAQLRNLEAYAANPHSFVFTRGCTGRNIRQLSLDVRRVMEPLTASRLQVRKKNSL  
KDCVAVAGPLGVTHFLILSKTETNVYFKLMRLPGGPTLTFQVKKYSLVRDVVSSLRRHRMHEQQFAHPPL  
LVLNSFGPHGMHVKLMATMFQNLFPSINVHKVNLNTIKRCLLIDYNPDSQELDFRHYSIKVVPVGASRGM  
KKLLQEKFPMNSRLQDISELLATGAGLSESEAEPDGDHNI TELPQAVAGRGNMRAQQSAVRLTEIGPRMT  
LQLIKVQEGVGEKVMFHSFVSKTEEELQAILEAKEKKLRLKAQRQAQQQNVQRKQEQREHRKKSLEG  
MKKARVGGSDDEEASGIPSR TASLELGEDDDEQEDDDIEYFCQAVGEAPSEDLFPEAKQKRLAKSPGRKRK  
RWEMDRGAKSCPANFLAAADDKLSGFQGDFLWPILVVEFLVAVASNGLALYRFSIRKQRPWHPAVVFSVQ  
LAVSDLLCALTLPLAAYLYPPKHWRGEEAACRLERFLFTCNLLGSVIFITCISLNRYLGI VHPFFARSH  
LRPKHAWAVSAAGWVLAALLAMPTLSFSLKRPQQGAGNCSVARPEACIKCLGTADHGLAAYRAYSLVLA  
GLGCGPLLLLTLAAYGALGRAVLRSPGMTVAEKL RVAALVASGVALYASSYVPYHIMRVLNVDARRRWST  
RCPSFADIAQATAALELGPYVGQVMRGLMPLAF CVHPLLYMAAVPSLGCCCRHCPGYRDSWNPEDAKST  
GQALPLNATAAPKPSQPSELSQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8005\\_b12.zip](https://cdn.origene.com/chromatograms/mk8005_b12.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001040664

ORF Size: 2382 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001040664.1](#), [NP\\_001035754.1](#)

**RefSeq Size:** 2385 bp

**RefSeq ORF:** 2385 bp

**Locus ID:** 692312

**UniProt ID:** [Q9NQ55](#)

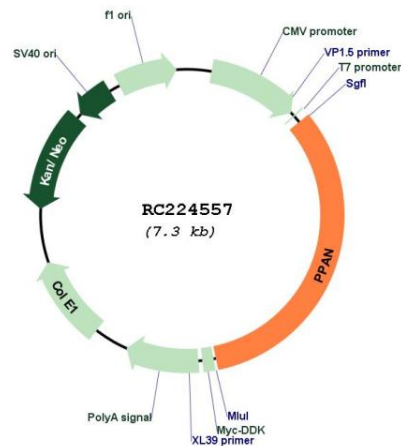
**Cytogenetics:** 19p13.2

**Protein Families:** Stem cell - Pluripotency, Transmembrane

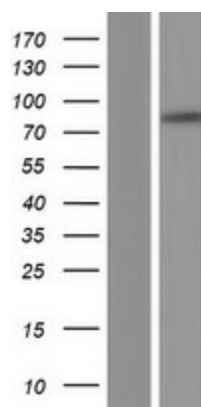
**MW:** 87.7 kDa

**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]

### Product images:



Circular map for RC224557



Western blot validation of overexpression lysate (Cat# [LY421805]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224557 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).