

## Product datasheet for **RG224557**

### 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:	TurboGFP
Symbol:	PPAN-P2RY11
Synonyms:	BXDC3; P2RY11; P2Y11; PPAN; Ssf-1; SSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG224557 representing NM\_001040664  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGACAGTCAGGGAGTCCCAGCACCAAGCGCGCCCGCCAGGCGCAGTCCGCAACCTCGAGG  
 CCTATGCCGGAACCCGACTCGTTCGTGTTACGCGAGGCTGCACGGTTCGCAACATCCGGCAGCTCAG  
 CCTGGACGTGCGGCGGGTCATGGAGCCGCTACTGCCAGCCGTCTGCAGGTTCTGAAGAAGAACTCGCTG  
 AAGGACTGCGTGGCAGTGGCTGGGCCCTCGGGGTACACACTTTCTGATCCTGAGCAAAACAGAGACCA  
 ATGTCTACTTTAAGCTGATGCGCCTCCCAGGAGGCCACCTTGACCTTCCAGGTGAAGAAGTACTCGCT  
 GGTGCGTGTGGTCTCCTCACTGCGCCGACCGCATGCACGAGCAGCAGTTTGGCCACCCACCCCTC  
 CTGGTACTCAACAGCTTTGGCCCCATGGTATGCATGTGAAGCTCATGGCCACCATGTTCCAGAACCTGT  
 TCCCTCCATCAACGTGCACAAGGTGAACCTGAACACCATCAAGCGCTGCCTCCTCATCGACTACAACC  
 CGACTCCCAGGAGCTGGACTTCCGCCACTATAGCATCAAAGTTGTTCTGTGGGCGGAGTCGCGGGATG  
 AAGAAGCTGCTCCAGGAGAAGTCCCAACATGAGCCGCTGCAGGACATCAGCGAGCTGCTGGCCACGG  
 GCGCGGGGCTGTGCGAGAGCGAGGCAGAGCCTGACGGCGACCACAACATCACAGAGCTGCCTCAGGCTGT  
 CGCTGGCCGTGGCAACATGCGGGCCAGCAGAGTGCAGTGCAGGCTCACCGAGATCGGCCCGGGATGACA  
 CTGCAGCTCATCAAGTCCAGGAGGGCGTGGGGAGGGCAAAGTATGTTCCACAGTTTTGTGAGCAAGA  
 CGGAGGAGGAGCTGCAGGCCATCCTGGAAGCAAGGAGAAGAAGTGCAGGCTGAAGGCGCAGAGGCGAGG  
 CCAGCAGGCCAGAAATGTGCAGCGCAAGCAGGAGCAGCGGGAGGCCACAGAAAGAAGAGCCTGGAGGGC  
 ATGAAGAAGGCACGGGTGGGGGTAGTGTGAAGAGCCCTCTGGGATCCCTTCAAGGACGCGGAGCCTGG  
 AGTTGGGTGAGGACGATGATGAACAGGAAGATGATGACATCGAGTATTTCTGCCAGGCGGTGGGCGAGG  
 GCCCAGTGAGGACCTGTTCCCGAGGCCAAGCAGAAACGGCTTGCCAAGTCTCCAGGCGGAAGCGGAAG  
 CGGTGGGAAATGGATCGAGGTGCCAAGTCTGCCCTGCCAATTCTTGGCAGTGCAGCAGCAAACTCA  
 GTGGGTTCCAGGGGACTTCTGTGGCCATACTGGTGGTTGAGTTCCTGGTGGCCGTGGCCAGCAATGG  
 CCTGGCCCTGTACCGTTCAGCATCCGGAAGCAGCGCCATGGCACCCCGCCGTGGTCTTCTGTCCAG  
 CTGGCAGTCAGCGACCTGCTCTGCGCTCTGACGCTGCCCCGCTGGCCGCTACCTCTATCCCCCAAGC  
 ACTGGCGCTATGGGGAGGCCGCTGCCGCTGGAGCGTCTCTTACCTGCAACCTGCTGGGCAGCGT  
 CATCTTCATCACCTGCATCAGCCTCAACCGCTACCTGGGCATCGTGACCCCTTCTCGCCGAAGCCAC  
 CTGCGACCAAGCAGCCTGGGCGTGAGCGCTGCCGGCTGGGTCTGGCCGCCCTGCTGGCCATGCCCCA  
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 CTGCATCAAGTGTCTGGGACAGCAGACCAGGGCTGGCGGCTACAGAGCGTATAGCCTGGTGTGGCG  
 GGGTTGGGCTGCGGCTGCCGCTGTGCTCACGCTGGCAGCCTACGGCGCCCTCGGGCGGGCGTGTAC  
 GCAGCCAGGCATGACTGTGGCCGAGAAGTGCCTGTGGCAGCGTTGGTGGCCAGTGGTGTGGCCCTCTA  
 CGCCAGCTCCTATGTGCCCTACCACATCATGCGGGTGTCAACGTGGATGCTCGGCGGCGCTGGAGCACC  
 CGCTGCCCGAGCTTTCAGACATAGCCCAGGCCACAGCAGCCCTGGAGCTGGGGCCCTACGTGGGCTACC  
 AGGTGATGCGGGGCTCATGCCCTGGCCTTCTGTGTCCACCCTACTCTACATGGCCGAGTGGCCAG  
 CCTGGGCTGCTGCTGCCGACACTGCCCGGCTACAGGGACAGCTGGAACCCAGAGGACGCCAAGAGCACT  
 GGCCAAGCCCTGCCCTCAATGCCACAGCGCCCTAAACCGTACAGAGCCCAAGTCCCGTGGAGCTGAGCC  
 AA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

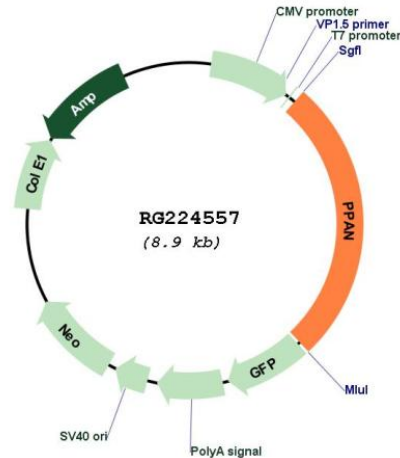
**Protein Sequence:** >RG224557 representing NM\_001040664  
Red=Cloning site Green=Tags(s)

MGQSGRSRHQKRARAQAQLRNLEAYAANPHSFVFRGCTGRNIRQLSLDVRRVMEPLTASRLQVRKKNSL  
KDCVAVAGPLGVTHFLILSKTETNVYFKLMRLPGGPTLTFQVKKYSLVRDVVSSLRRHRMHEQQFAHPPL  
LVLNSFGPHGMHVKLMATMFQNLFPSINVHKVNLNTIKRCLLIDYNPDSQELDFRHYSIKVVPVGASRGM  
KKLLQEKFPNMSRLQDISSELLATGAGLSESEAEPDGDHNI TELPQAVAGRGNMRAQQSAVRLTEIGPRMT  
LQLIKVQEGVGEKVMFHSFVSKTEEELQAILEAKEKKLRLKAQRQAQQQNVQRKQEQREHRKKSLEG  
MKKARVGGSDDEASGIPSRASLELGEDDDEQEDDDIEYFCQAVGEAPSEDLFPEAKQKRLAKSPGRKRK  
RWEMDRGAKSCPANFLAAADDKLSGFQGDFLWPILVVEFLVAVASNGLALYRFSIRKQRPWHPAVVFSVQ  
LAVSDLLCALTLPLAAYLYPPKHWRGEEAACRLERFLFTCNLLGSVIFITCISLNRYLGI VHPFFARSH  
LRPKHAWAVSAAGWVLAALLAMP TLF SFLKRPQQGAGNCSVARPEACIKCLGTADHGLAAYRAYSLVLA  
GLGCGPLLLLTLAAYGALGRAVLRSPGMTVAEKL RVAALVASGVALYASSYVPYHIMRVLNVDARRRWST  
RCPSFADIAQATAALELGPYVGYQVMRGLMPLAF CVHPLLYMAAVPSLGCCCRHCPGYRDSWNPEDAKST  
GQALPLNATAAPKPSQPSELSQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**Plasmid Map:**


**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

**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]