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Product datasheet for SC113147

PPAN (NM_020230) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAN (NM_020230) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPAN
Synonyms:	BXDC3; SSF; SSF-1; SSF1; SSF2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC113147 sequence for NM_020230 edited (data generated by NextGen Sequencing)

ATGGGACAGTCAGGGAGGTCCCGGCACCAGAAGCGCGCCCGCGCCCAGGCGCAGCTCCGC
AACCTCGAGGCCTATGCCGCGAACCCGCACTCGTTCGTGTTCACGCGAGGCTGCACGGGT
CGCAACATCCGGCAGCTCAGCCTGGACGTGCGGCGGGTCATGGAGCCGCTCACTGCCAGC
CGTCTGCAGGTTCGTAAGAAGAACTCGCTGAAGGACTGCGTGGCAGTGGCTGGGCCCCTC
GGGGTCACACACTTTCTGATCCTGAGCAAAACAGAGACCAATGTCTACTTTAAGCTGATG
CGCCTCCCAGGAGGCCCCACCTTGACCTTCCAGGTCAAGAAGTACTCGCTGGTGCGTGAT
GTGGTCTCCTCACTGCGCCGGCACCGCATGCACGAGCAGCAGTTTGCCCACCCACCCCTC
CTGGTACTCAACAGCTTTGGCCCCCATGGTATGCATGTGAAGCTCATGGCCACCATGTTC
CAGAACCTGTTCCCCTCCATCAACGTGCACAAGGTGAACCTGAACACCATCAAGCGCTGC
CTCCTCATCGACTACAACCCCGACTCCCAGGAGCTGGACTTCCGCCACTATAGCATCAAA
GTTGTTCCTGTGGGCGCGAGTCGCGGGATGAAGAAGCTGCTCCAGGAGAAGTTCCCCAAC
ATGAGCCGCCTGCAGGACATCAGCGAGCTGCTGGCCACGGGCGCGGGGCTGTCGGAGAGC
GAGGCAGAGCCTGACGGCGACCACAACATCACAGAGCTGCCTCAGGCTGTCGCTGGCCGT
GGCAACATGCGGGCCCAGCAGAGTGCAGTGCGGCTCACCGAGATCGGCCCGCGGATGACA
CTGCAGCTCATCAAGGTCCAGGAGGGCGTCGGGGAGGGCAAAGTGATGTTCCACAGTTTT
GTGAGCAAGACGGAGGAGGAGCTGCAGGCCATCCTGGAAGCCAAGGAGAAGAAGCTGCGG
CTGAAGGCGCAGAGGCAGGCCCAGCAGGCCCAGAATGTGCAGCGCAAGCAGGAGCAGCGG
GAGGCCCACAGAAAGAAGAGCCTGGAGGGCATGAAGAAGGCACGGGTCGGGGGTAGTGAT
GAAGAGGCCTCTGGGATCCCTTCAAGGACGGCGAGCCTGGAGTTGGGTGAGGACGATGAT
GAACAGGAAGATGATGACATCGAGTATTTCTGCCAGGCGGTGGGCGAGGCGCCCAGTGAG
GACCTGTTCCCCGAGGCCAAGCAGAAACGGCTTGCCAAGTCTCCAGGGCGGAAGCGGAAG
CGGTGGGAAATGGATCGAGGCAGGGGTCGCCTTTGTGACCAGAAGTTTCCCAAGACCAAG
GACAAGTCCCAGGGAGCCCAGGCCAGGCGGGGGCCCAGAGGGGCTTCCCGGGATGGTGGG
CGAGGCCGGGGCCGGGGCCGCCCAGGGAAGAGAGTGGCCTGA

Clone variation with respect to NM_020230.5

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020230 unedited

TATTTGTATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCAGGAGGCCTCGT
GGAGGACACAGCAGCATGGGACAGTCAGGGAGGTCCCGGCACCAGAAGCGCGCCCGCGCC
CAGGCGCAGCTCCGCAACCTCGAGGCCTATGCCGCGAACCCGCACTCGTTCGTGTTCACG
CGAGGCTGCACGGGTCGCAACATCCGGCAGCTCAGCCTGGACGTGCGGCGGGTCATGGAG
CCGCTCACTGCCAGCCGTCTGCAGGTTCGTAAGAAGAACTCGCTGAAGGACTGCGTGGCA
GTGGCTGGGCCCCTCGGGGTCACACACTTTCTGATCCTGAGCAAAACAGAGACCAATGTC
TACTTTAAGCTGATGCGCCTCCCAGGAGGCCCCACCTTGACCTTCCAGGTCAAGAAGTAC
TCGCTGGTGCGTGATGTGGTCTCCTCACTGCGCCGGCACCGCATGCACGAGCAGCAGTTT
GCCCACCCACCCCTCCTGGTACTCAACAGCTTTGGCCCCCATGGTATGCATGTGAAGCTC
ATGGCCACCATGTTCCAGAACCTGTTCCCCTCCATCAACGTGCACAAGGTGAACCTGAAC
ACCATCAAGCGCTGCCTCCTCATCGACTACAACCCCGACTCCCAGGAGCTGGACTTCCGC
CACTATAGCATCAAAGTTGTTCCTGTGGGCGCGAGTCGCGGGATGAAGAAGCTGCTCCAG
GAGAAGNTCCCCAACATGAGCCGCCTGCAGGACATCANCGAGCTGCTGGCCACGGGCGCG
GNGCTGTCGGAGAGCGAGGCAAAGCCTGACGGGCGACCACACATCACAGAGCTGCCTCAG
GCTGTCGCTGGCCGGGGCACATGCGGGCCAGCAGATGCAGTGGGCTCACCGAGATCGCCG
CGGATGAACTGCAGTATCAGGGTCAGAGGCGTCGGGGAGGCAAAGTGATGTCACATTTGT
GAGCAGACGAGGAGACTGCAGCATCTGAACCAGAGAGAGCTGCGCTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020230 unedited
TTTTAAGTTCACTATGNACCGCGCCGCAATCTATGATCGGTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTGCCAATTCAGTTTTTTACTGGAGTGGAAGGGCTGGGGACA
CAACTCCTTTTTGAAAGGAAACCGAGGGCCACATTTTGGGCCCCAATCTGGGGGGTTCAA
TCCAACCCCTGCTCCGGGGCGGCTTGGGCTCAAGCCACTTTTTTCCCTGGGGGGCCCCGG
CCCCGGCCTCGCCCACCATCCCGGGAAACCCCTTTGGGCCCCCGCCTGGCCTGGGCTCCC
TGGGACTTGGCCTTGGTCTTGGGAAACTTTTGGGCACAAAGGGGACCCCTGGCTCGATCC
ATTTCCCACCGGTTCCGCTTCCGCCCTGGAAACTTGGCAAGCCGTTTTTGCTTGGCCTCG
GGGAACAAGTCCTCACTGGGCGCCTCGCCCACCGCCTGGCAAAAATACCCGATGGCATCA
TCTTCCTGGTCATAATCGGCCTCACCCAACTCCAGGCTCGCCGTCCTTGAAGGGATCCCA
AAAGCCTTTTTATTATTACCCCCGACCCGTGCCTTTTTTATGCCCTCCAAGCTTTTTTTT
TTGTGGGCCTCCCGCTGGTCCTGGTTGGGCTGGACATTTTGGGCCTGGTGGGCCTGCCTT
TGGGCCTTTAACCGAAACTTTTTTTCCTTGGGTTCCAAGATGGCCTGGAGCTCCTCCTCC
GTCTTGGTCACAAAACTGGGGAACATCACTTTGCCCTCCCCGACCCCCTCCTGGACCTTG
ATGAACTGCAATGTCATCCGCGGGCCCGATCTCGGTGAGCCCCACTGCACTT

Restriction Sites: NotI-NotI

ACCN: NM_020230

Insert Size: 1850 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).

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_020230.4, NP_064615.3

RefSeq Size: 1679 bp

RefSeq ORF: 1422 bp

Locus ID: 56342

UniProt ID: Q9NQ55

Cytogenetics: 19p13.2

Domains: Brix

Protein Families: Druggable Genome, Stem cell - Pluripotency

Gene Summary: The protein encoded by this gene is an evolutionarily conserved protein similar to yeast SSF1 as well as to the gene product of the Drosophila gene peter pan (ppan). SSF1 is known to be involved in the second step of mRNA splicing. Both SSF1 and ppan are essential for cell growth and proliferation. Exogenous expression of this gene was reported to reduce the anchorage-independent growth of some tumor cells. Read-through transcription of this gene with P2RY11/P2Y(11), an adjacent downstream gene that encodes an ATP receptor, has been found. These read-through transcripts are ubiquitously present and up-regulated during granulocyte differentiation. [provided by RefSeq, Nov 2010]
Transcript Variant: This variant (1) encodes the longest isoform (1). 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.