

Product datasheet for **SC118566**

PARN (NM_002582) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARN (NM_002582) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARN
Synonyms:	DAN; DKCB6; PFBMFT4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_002582, the custom clone sequence may differ by one or more nucleotides

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ATGGAGATAATCAGGAGCAATTTAAGAGTAATCTTCACAAAGTGTACCAGGCCATAGAGGAGGCCGACT
TCTTCGCCATCGATGGGAGTTTTTCAGGAATCAGTGATGGACCTTCAGTCTCTGCATTAACAATGGTTT
TGACACTCCAGAAGAGAGGTATCAGAAGCTTAAAAAGCATTCCATGGACTTTTTGTCTATTTCAGTTTGGC
CTTTGCACTTTTAAAGTATGACTACACAGATTCAAAGTATATAACGAAGTCATTTAACTTCTATGTTTTCC
CGAAACCCCTTCAATAGATCCTCACCAGATGTCAAATTTGTTTGTGACAGCTCCAGCATTGACTTTCTAGC
AAGCCAGGGATTTGATTTTAATAAAGTTTTTCGAAATGGAATTCATATTTAAATCAGGAAGAAGAAAGA
CAGTTAAGAGAGCAGTATGATGAAAAACGTTACAGGCGAATGGTGCAGGAGCTCTGTCTATGTATCTC
CTAACACTTCAAATGTCCTGTACGATTCTGAGGATCAAAGAAGTTTATTGACCAAGTGGTAGAGAA
AATAGAGGATTTATTCAAAGTGAAGAAAACAAGAAGTTGGATTTAGAGCCATGTACCGGGTTCAAAGA
AAACTAATTTATCAGACTTTGAGCTGGAAGTATCCGAAAGGCATTATGTTGAGACTTTAGAAACTGAAA
AGAAGGAGCGATATATAGTTATCAGCAAAGTAGATGAAGAAGAAGCAAAAAGAAGAGAGCAGCAGAAACA
TGCCAAAAGAAGCAGGAGGAGCTGAATGATGCTGTGGGATTTCTAGAGTCATTACGCCATTGCTAATTCG
GGAAAACCTTGTTATTGGACACAATATGCTCTGGACGTCATGCACACAGTTCATCAGTTCTACTGCCCTC
TGCTGCGGACTTAAGTGAGTTTAAAGAGATGACAACATGTGTTTTCCCGAGACTCTGGATACTAAATT
GATGGCCAGCACACAACCTTTAAGGATATCATTAAACAACACATCCCTTGGCGAATTGGAAAAGCGGTTA
AAAGAGACACCTTTCAACCTCTAAAGTTGAAAGTGCCGAAGTTTTCCAAGTTATGACACAGCCTCTG
AACAACTCCACGAGGCAGGCTACGATGCCTACATCACAGGGCTGTGCTTCATCTCCATGGCCAATTACCT
AGGTTCTTTTCTCAGCCCTCAAAAATTCATGTGTCTGCCAGATCAAACCTATTGAACTTTTTTTAAAC
AAGTTATTTCTTATGAGGGTCATGGATATCCCTATCTAAACTTGAAGGACCAGACTTGCAGCCTAAAC
GTGATCATGTTTCCATGTGACATTCGCCAAAGAATGGAAAACCGACGACCTTTACCAGCTTTTCAGTGC
CTTTGGTAACATTAGATATCCTGGATTGATGACACATCAGCATTGTTTCCCTTAGCCAGCCCGAGCAA
GTAAGATTGCTGTCAATACCAGCAAATATGCAGAAAGCTATCGGATCCAAACCTATGCTGAATATATGG
GGAGAAAACAGGAAGAGAAGCAGATCAAAGAAAGTGGACTGAAGATAGCTGGAAGGAGGCTGACAGCAA
ACGGTTAAACCCCGAGTGCATACCCTACACCCTGCAGAATCACTATTACCGAACAATAGTTTTACAGCT
CCCAGCACAGTAGGAAAGAGAAATTTGAGTCTAGTCAAGAGGAAGCTGGCCTGGAGGACGGAGTGCAG
GGGAGATTTCCGACACTGAGCTTGAGCAGACCGATTCTGTGCAGAGCCCTCTCAGAGGGAAGGAAAAA
GGCCAAGAAATTTAAAGAAATGAAGAAGGAGCTTTCTCCAGCAGGAAGCATCTCGAAGAACGCCCTGCC
ACACTCTTTGAAGTTCCTGACACATGTTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002582 unedited

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CCTGTGCGATACGNATACGACTCATATAGGGCGGCCGATTTCGGCACGAGGGGTGGGGC
CAAGGTTCCGGCCACTCTGCAGAATGGAGATAATCAGGAGCAATTTTAAAGAGTAATCTTC
ACAAAGTGTACCAGGCCATAGAGGAGGCCGACTTCTTCGCCATCGATGGGGAGTTTTTCAG
GAATCAGTGATGGACCTTCAGTCTCTGCATTAACAATGGTTTTGACACTCCAGAAGAGA
GGTATCAGAAGCTTAAAAAGCATTCCATGGACTTTTTGTCTATTTTCAGTTTGGCCTTTGCA
CTTTTAAAGTATGACTACACAGATTCAAAGTATATAACGAAGTCATTTAACTTCTATGTTT
TCCCGAAACCTTCAATAGATCCTCACCAGATGTCAAATTTGTTTGTGACAGCTCCAGCA
TTGACTTTCTAGCAAGCCAGGGATTTGATTTTAAATAAAGTTTTTTCGAAATGGAATCCAT
ATTTAAATCAGGAAGAAGAAAGACAGTTAAGAGAGCAGTATGATGAAAAACGTTACAGG
CGAATGGTGCAGGAGCTCTGTCTATGTATCTCCTAACACTTCAAATGTCCTGTACGCA
TTCTGAGGATCAAAGAAGTTTATTGACCAAGTGGTAGAGAAAATAGAGGATTTATTAC
AAAGTGAAGAAAACAAGAAGTTGGATTTAGAGCCATGTACCGGGTTCAAAGAAAACATA
TTTATCAGACTNTGAGCTACTAGTATCCGAAAGGCATTATGTTGAGACTTTAGAAAAGT
TAAAGAGGAGCGATATATAGTTATCAGCAAAGTAGATGAAGAAGACGCCAAAAGAAGAGA
GCAGCAAACATGCCAAAAGAAGCAGGAGGAGCTGAATGATGCCTGNGGGATTTNCTAGAG
TCATTCC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002582 unedited CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCTATGAAAATGTTTTTAA TTTTCATCTTTTGGAAATACATTTTTTCATTTTTATTTCCACCATACAAAAATGTGAAATA TCTAACAAATGATCTATCTGAAGCGGGTGGAGCAAAGCAGCGCCATGAGCGTTTGTCTGTTG CTGTGATCTGTTCAACGGAGAATGGGCTGGGACATGTTGTAGATTTGCACGATTTTACA CACACACACACACACACACACACACACACACACAGACAGTACGCACACACGCTGC CGTACCCCGAGACCGCCATCCAAACAAACGAACAGAGACTCTGGAAAGTGAACACAGCGC CACGCATAAGAACAGAAGTTAACCTTTTTACTCGTACATCCCCCATGAGAAACTCACGTC TTAGGAGAAAGGAAGTCTACATAAATATGCCCAAAGGCCAGGGCATAACGGCAAGCCTCT CATGGGTGGGCATGAGTGGACATCTTCTGAAGGAAGGACAAGCTTGAGAGCGTCATGTT TTCAGGCAGCTATGGTGGGAAGCAGGGAGGCACAACCGATTTTTTCCACTGGGAGACTAAC CGAGGGCTGCAACTGCCTCAAAATCTCAGTGGGAGAAGATGCACAGGCAGGACAGTACAC CTCCAAATTCATGATCACAGCAGCTGGAATGTCAGCTTTTTTGCAGATTTACAGCCGA CACTCCCCATCAAGCAGGGTTCTTAAGCACACTGGGTCATGACAGGAAAGGCCTCACCAG AGCAACACGGTATTCAGTGGTTAGCCCGTACACATTCTTGACACCCTACCCGGGATGAG TGTCATGTCAACGACCGTTAATTTAAAGGGGAAAAACCCGCCCCCAAATAAAATGTTT TTCCCCCCAGGAACACTGGGTTCCACCCTCCATACCACATTGATA
Restriction Sites:	NotI-NotI
ACCN:	NM_002582
Insert Size:	3000 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:	<ol style="list-style-type: none"> 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_002582.1 , NP_002573.1
RefSeq Size:	2984 bp
RefSeq ORF:	1920 bp
Locus ID:	5073
UniProt ID:	O95453
Cytogenetics:	16p13.12
Domains:	R3H, CAF1
Protein Families:	Transcription Factors

Protein Pathways: RNA degradation

Gene Summary: The protein encoded by this gene is a 3'-exoribonuclease, with similarity to the RNase D family of 3'-exonucleases. It prefers poly(A) as the substrate, hence, efficiently degrades poly(A) tails of mRNAs. Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs. This protein is also involved in silencing of certain maternal mRNAs during oocyte maturation and early embryonic development, as well as in nonsense-mediated decay (NMD) of mRNAs that contain premature stop codons. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).