

Product datasheet for SC331938

PARN (NM_001242992) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PARN (NM_001242992) Human Untagged Clone
Tag: Tag Free
Symbol: PARN
Synonyms: DAN; DKCB6; PFBMFT4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331938 representing NM_001242992.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGATAATCAGGAGCAATTTTAAGAGTAATCTTCACAAAGTGTACCAGGCCATAGAGGAGGCCGAC
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GGAAGCATCTCGAAGAACAGCCCTGCCACACTTTTGAAGTTCTGACACATGGTAA
  
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001242992
Insert Size:	1782 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_001242992.1
RefSeq Size:	2945 bp
RefSeq ORF:	1782 bp
Locus ID:	5073
UniProt ID:	O95453
Cytogenetics:	16p13.12
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
MW:	67.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses two alternate in-frame splice sites and lacks an alternate exon in the 5' coding region compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.</p>