

## Product datasheet for **RN215214**

### Sarnp (NM\_001033070) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sarnp (NM\_001033070) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sarnp  
**Synonyms:** Cip29; RGD1305692  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN215214 representing NM\_001033070  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGACCGAGACGGTGGAGCTCCACAAGCTGAAGCTTCTGAACTAAAGCAAGAATGCCTTGCTCGTG  
GTTTAGAGACCAAGGGAATAAACAAAGATCTTATCAATAGGCTCCAGGCATATCTGAAGAACATGCTGA  
AGAAGAAGCAAAATGAAGAAGATGTACTGGGAGATGAACTGAGGAAGAAGAACCAAGCCTATAGAAGT  
CCTGTTAAAGAGGAAGAACCTCCTGAAAAAGTTGTTGATATGGCATCAGAAAAGAAGGTGGTAAAAATTA  
CATCTGGAATACCTCAAAGTGAAGAGATGCAGAAGAGGGCTGAACGTTTCAATGTGCCTGTAAGCTTGA  
GAGTAAGAAGGCTGCTCGGCAGCGAGGTTTGGAAATTTCTCAGTTCCAACAAAAGGTTTATCATCTGAC  
ACCAAGCCAATGGTTAACCTGGATAAACTAAAGGAAAGAGCACAGAGATTTGGTTTGAATGTCTCTTCCA  
TCTCTAGAAAGTCTGAGGATGATGAGAAGCTGAAGAAACGGAAGGAGAGATTTGGAAATGTGACAAGTTC  
AGCTGGAAGTGAACACAGAGGATACAGAGGCAAGAAAAGAAAAGAGCAGAGCGTTTTGGGATTGCA  
TAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001033070  
**Insert Size:** 633 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001033070.1</a></u> , <u><a href="#">NP_001028242.1</a></u>
<b>RefSeq Size:</b>	1244 bp
<b>RefSeq ORF:</b>	633 bp
<b>Locus ID:</b>	362819
<b>UniProt ID:</b>	<u><a href="#">Q498U4</a></u>
<b>Cytogenetics:</b>	7q11
<b>Gene Summary:</b>	<p>Binds both single-stranded and double-stranded DNA with higher affinity for the single-stranded form. Specifically binds to scaffold/matrix attachment region DNA. Also binds single-stranded RNA. Enhances RNA unwinding activity of DDX39A. May participate in important transcriptional or translational control of cell growth, metabolism and carcinogenesis. Component of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway (By similarity).[UniProtKB/Swiss-Prot Function]</p>