

## Product datasheet for SC115369

### ANT 1 (PRPF6) (NM\_012469) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANT 1 (PRPF6) (NM_012469) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANT 1
Synonyms:	ANT-1; ANT1; C20orf14; hPrp6; Prp6; RP60; SNRNP102; TOM; U5-102K
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115369 sequence for NM_012469 edited (data generated by NextGen Sequencing)

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ATGAACAAGAAGAAGAAACCGTTCTAGGGATGCCCGCGCCCTCGGCTACGTGCCGGGG
CTGGGCCGGGGCCCACTGGCTTCACCACGCGGTCAGACATTGGGCCCGCCCGTGATGCA
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ATCAACCGTGAGCAGTGGATCCAGGATGCCGAGGAATGTGACAGGGCTGGGAGTGTGGCC  
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 TTCTGA

Clone variation with respect to NM\_012469.3

**5' Read Nucleotide  
 Sequence:**

>OriGene 5' read for NM\_012469 unedited  
 ACTTTGATTTTGTAAATCCGACTTACTATAGGCGGCCGCAATTCGCACGAGGGTCAAG  
 CCTAGAGTCTCTGCGTCTTCCCTTCCGCTGCCTCATTCTTCTCCTAGCCTTGG  
 TCGTCCGCCACCATGAACAAGAAGAAGAAACCGTTCCTAGGGATGCCCGGCCCTCG  
 GCTACGTGCCGGGCTGGGCCGGGCGCCACTGGCTTACCACGCGGTGAGACATTGGGC  
 CCGCCCGTGATGCAAATGACCCTGTGGATGATCGCCATGCACCCCAAGGCAAGAGAACC  
 TTGGGGACCAGATGAAGAAAAATCAGGCTGCTGACGATGACGACGAGGATCTAAATGACA  
 CCAATTACGATGAGTTTAAATGGCTATGCTGGGAGCCTCTTCTCAAGTGGACCCTACGAGA  
 AAGATGATGAGGAAGCAGATGCTATCTATGCAGCCCTGGATAAAAGGATGGATGAAAGAA  
 GAAAAGAAAGACGGGAGCAAAGGGAGAAAGAAGAAATAGAGAAATATCGTATGGAACGCC  
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 GGTGAGCTGGACATGAGGAAGNATGGGCCAAGCGAGGAACACTCTGATGGACATGAGGCT  
 GAGCCCAGTGTCTGACTCCGTGAGTG

<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_012469 unedited            CCCCCCNACCCCCCNNNNNCCCCCCCCANNCCANCCAAGNTTTTGACTNTAGCCAC            ACGGCCCGCTAATCTANATCGAGTTTTTTTTTTTTTTTTTTTGGACACGAGACTAAACTTT            TAATGAAGGAGGACACAGCTCAGAGCCCTTCCACATGCGGCCAACCCCTGCCCCACGGAG            ACCGGCCATGGCAACCGCTCAATCAGAAGGTGTTCTTGATGCGGCCGGCCACCAGCCTAA            GGATGTCCCGATCTTCTTCTGCCAGTTGGCGATGTCCTTGGACACGGCGCACCACAGCT            CCCCATGCCGAGGCTCTGCACTCTCACAGCGCTTCCCTCACCTCCTCCTGCTGCTCCTCAG            TGCCATGCTGCAGCTCAAACCTTGTAGAAGAAGGCCAGGCATCCCCAGGTCCGAGTCAA            TCTTACAGTGCGGCCGAACCACTCCCTGGCCTTGGCGATCTTCCGCTGACTCCAAAACA            GCTTGGCCACGGCCAGGAGCACATGGGGTTCATGCTCACACTTCTCAGGGCATCCACGC            TCTTGGTCTCCTCTGGGGCCTTGCCCTCGAGGAAGATGGCCTCAGACCACAGGATACCGG            AGTTGGGGCACTCTGCAGCGCCTTGGCCATGAGTGTATTTGCGATGTTCTTCAGCCCCG            CACGGTACTCCAGCCGACGGACTCCAACCACAGCCCAAGTTCTTTGGGTTCTTCAGA            CCGAGACTTTTCCAAATGGCCCGCTCGAGTAAGCTGCCCCATTTTTTCTCCAGCC            CGAGAGACAAAAGCCACAGGGGTGTCGGAGCGGGGACACTTTTTTACCCCCCTGGTT            ATAGGCTTTCCCGGCCCTTCTCCATAATACTTCTTTTTGCTCCTCGGATCTGGCCCTT            TAATAATCCCAAGCTTTGGGAAAACCTCAATAATGCCCCGAGGCGCCT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_012469
<b>Insert Size:</b>	3090 bp
<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>	<a href="#">NM_012469.2</a> , <a href="#">NP_036601.2</a>
<b>RefSeq Size:</b>	3106 bp
<b>RefSeq ORF:</b>	2826 bp
<b>Locus ID:</b>	24148
<b>UniProt ID:</b>	<a href="#">O94906</a>
<b>Cytogenetics:</b>	20q13.33
<b>Domains:</b>	TPR, HAT
<b>Protein Families:</b>	Druggable Genome

**Protein Pathways:** Spliceosome

**Gene Summary:** The protein encoded by this gene appears to be involved in pre-mRNA splicing, possibly acting as a bridging factor between U5 and U4/U6 snRNPs in formation of the spliceosome. The encoded protein also can bind androgen receptor, providing a link between transcriptional activation and splicing. [provided by RefSeq, Jul 2008]