

## Product datasheet for **SC115992**

### POP4 (NM\_006627) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	POP4 (NM_006627) Human Untagged Clone
Tag:	Tag Free
Symbol:	POP4
Synonyms:	RPP29
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 SC115992 sequence for NM_006627 edited (data generated by NextGen Sequencing)

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ATGAAGAGTGTGATCTACCATGCATTGTCTCAGAAAGAGGCGAATGACTCCGATGTCCAG
CCTTCAGGAGCACAGCGGGCCGAGGCCTTCGTGAGGGCCTTCCTGAAGCGCAGCAGCC
CGCATGAGCCCGCAGGCCCGCAGGACCAGCTGCAGCGCAAGGCGGTGGTCTGGAGTAC
TTCACCCGCCACAAGCGCAAGGAGAAGAAGAAGAAAGCCAAAGGCCTCTCTGCCAGGCAA
AGGAGGGAGCTGCGGCTCTTTGACATTAACCAGAGCAGCAGAGATACAGCCTTTTCCTC
CCTCTCCATGAACTCTGGAAACAGTACATCAGGGACCTGTGCAGTGGGCTCAAGCCAGAC
ACGCAGCCACAGATGATTCAGGCCAAGCTCTTAAAGGCAGATCTTCACGGGGCTATTATT
TCAGTGACAAAAATCCAAATGCCCTCTTATGTGGGTATTACAGGAATCCTTCTACAGGAA
ACAAAGCACATTTTCAAATTATCACCAAAGAAGACCGCCTGAAAGTTATCCCCAAGCTA
AACTGCGTGTTCACTGTGAAACCGATGGCTTTATTTCTACATTTACGGGAGCAAATTC
CAGCTTCGGTCAAGTGAACGGTCTGCGAAGAAGTCAAAGCGAAGGGAACGATTGACCTG
TGA
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Clone variation with respect to NM\_006627.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006627 unedited TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCCGGAAGCGGTCCGAGAAT GAAGAGTGTGATCTACCATGCATTGTCTCAGAAAGAGGCGAATGACTCCGATGTCCAGCC TTCAGGAGCACAGCGGGCCGAGGCCTTCGTGAGGGCCTTCTGAAGCGCAGCACGCCCCG CATGAGCCCGCAGGCCCGCAGGACCAGCTGCAGCGCAAGGCGGTGGTCTGGAGTACTT CACCCGCCACAAGCGCAAGGAGAAGAAGAAGAAAGCCAAAGGCCTCTCTGCCAGGCAAAG GAGGGAGCTGCGGCTCTTTGACATTAACCAGAGCAGCAGAGATACAGCCTTTTCCTCCC TCTCCATGAACTCTGAAACAGTACATCAGGGACCTGTGCAAGTGGGCTCAAGCCAGACAC GCAGCCACAGATGATTCAGGCCAAGCTCTTAAAGGCAGATCTTACGGGGCTATTATTTT AGTGACAAAATCCAAATGCCCTCTTATGTGGGTATTACAGGAATCCTTCTACAGGAAAC AAAGCACATTTTCAAATATACCAAAGAAGACCGCCCTGAAGTTATCCCAAGCTAA CTGCGTGTCTACTGTGAAACCGATGGCTNTATTTCTACATTTACGGGAGCAAATCCA GCTTCGGTCAAGTGAACGGTCTGCGAAGAGTTCANAGCGAAGGGACGATTGACCTGTGAA TTCTCTCGCGTCTAAGGCAGCTGTTTATGACAGCTGAAAAGTGGACCACTCTAAATGTC CACCTTTCAGTGAAGAGATAGGTAAGCCACATTCATTTATAAGACCCCTNCAACCACT GACGCTTCGAGTTGATGATGTTTGACAACAATGGAAGGTGCGAGCGTACTAATGGAAAAG TCACAGACAGAGGATNTCTTTCTAGAAAATTTATCTTGGGGACTCCATGGGAAGCAACT GGAGAAACCCACCGGAAACATGTTGACTGATAGAATATCATCTAACCACTTTCTGNCTC AGNGCCTAGCAAN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006627
<b>Insert Size:</b>	2720 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>	<u><a href="#">NM_006627.1</a></u> , <u><a href="#">NP_006618.1</a></u>
<b>RefSeq Size:</b>	1133 bp
<b>RefSeq ORF:</b>	663 bp
<b>Locus ID:</b>	10775
<b>UniProt ID:</b>	<u><a href="#">O95707</a></u>
<b>Cytogenetics:</b>	19q12
<b>Domains:</b>	POP4

**Gene Summary:**

This gene encodes one of the protein subunits of the small nucleolar ribonucleoprotein complexes: the endoribonuclease for mitochondrial RNA processing complex and the ribonuclease P complex. The encoded protein is localized to the nucleus and associates directly with the RNA component of these complexes. This protein is involved in processing of precursor RNAs. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes processing of precursor 4.