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Product datasheet for SC100546

POP1 (NM_015029) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POP1 (NM_015029) Human Untagged Clone
Tag:	Tag Free
Symbol:	POP1
Synonyms:	ANXD2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_015029, the custom clone sequence may differ by one or more nucleotides

ATGTCAAATGCAAAAGAAAGAAAACACGCCAAGAAAATGAGAAACCAGCCTACCAATGTGACTCTGTCCT
CTGGCTTTGTGGCTGACAGAGGTGTAAAGCACCACAGTGGAGGTGAAAAACCTTTCCAAGCTCAAAAACA
AGAGCCTCATCCTGGAACTTCACGACAGCGGCAAACCAGAGTCAACCCCCATTCTCTGCCTGACCCTGAA
GTGAATGAGCAGTCTTCCTCCAAAGGGATGTTTAGAAAAAAGGGAGGATGGAAAGCAGGTCCCGAGGGCA
CGTCTCAGGAGATCCCCAAGTATATAACTGCTTCTACTTTTGCTCAAGCACGAGCTGCTGAAATCAGTGC
TATGTTAAAAGCTGTGACCCAGAAGTCTTCGAATTCACTGGTTTTTCAGACTCTGCCACGGCACATGCGA
CGAAGAGCCATGAGCCACAACGTCAAACGCCTTCCCAGACGGTTACAGGAGATTGCCCAGAAAGAGGCGG
AGAAAGCCGTACATCAGAAAAAAGAACATTCAAAAAATAAATGCCATAAAGCTCGAAGATGTCACATGAA
CCGGACGCTAGAATTTAACCGTAGACAAAAGAAGAACATTTGGTTAGAAACTCACATCTGGCACGCCAAG
CGGTTTCATATGGTCAAGAAGTGGGGCTACTGCCTTGGGGAGAGGCCAACAGTCAAGAGCCACAGAGCCT
GCTATCGAGCCATGACGAACCGGTGCCTCCTGCAGGATTTATCCTATTACTGTTGTTTGGAGTTGAAAGG
CAAAGAGGAAGAAATACTAAAGGCGCTTTCTGGAATGTGTAACATAGACACAGGGCTGACGTTTGCAGCA
GTTCACTGCTTGTCTGGAAAGCGCCAAGGGAGCCTTGTGCTTTATCGGGTGAATAAATATCCCAGAGAAA
TGCTTGGGCCTGTTACGTTTATCTGGAAGTCCCAGAGGACCCCGGGTGACCCTTCTGAGAGCAGGCAGCT
GTGGATCTGGCTGCATCCAACCCTTAAACAGGATATCTTAGAGGAAATAAAAGCAGCGTGCCAGTGTGTG
GAACCCATCAAATCAGCTGTCTGCATCGCTGACCCACTTCCAACACCATCCCAAGAAAAAAGCCAAACTG
AATTGCCTGACGAGAAAATTGGCAAGAAAAGAAAAAGGAAAGATGATGGAGAAAATGCTAAACCAATTAA
AAAAATTATCGGTGATGGAACTAGAGATCCATGTCTACCATACTCTTGGATCTCTCCAACCACAGGCATT
ATAATCAGCGATTTGACGATGGAGATGAACAGATTCCGGCTGATTGGGCCACTTTCCCACTCCATCCTAA
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GGAGGAATAACATCACCAGCAGAAATTCCGGCAGGTACTATTCTGGGACTGACAGTTGGGGATCCTCGAA
TAAATTTGCCCCAAAAGAAGTCCAAAGCTTTGCCCAATCCAGAAAAATGCCAAGATAATGAGAAAGTTAG
ACAGCTGCTTCTGGAGGGTGTGCCTGTGGAATGTACGCATAGCTTTATCTGGAACCAAGATATCTGTAAG
AGTGTCACAGAGAATAAAATCTCGGATCAGGATTTAAACCGGATGAGGAGTGAATTGCTGGTGCCTGGGT
CACAGCTTATTTTAGGTCCCCATGAATCCAAGATACCTATACTTTTGATTCAGCAGCCAGGAAAAGTGAC
TGGTGAAGATCGACTAGGCTGGGGAAGTGGCTGGGATGTCCTACTCCCAAAGGGCTGGGGCATGGCTTTC
TGGATTCCATTTATTTATCGAGGTGTGAGAGTCGGAGGGTTGAAAGAGTCTGCAGTGCATTCTCAGTATA
AGAGGTCGCCTAATGTCCCAGGCGATTTTCCAGACTGCCCTGCCGGGATGCTGTTTGCGGAAGAGCAAGC
TAAGAATCTTCTTGAAAAGTACAAAAGACGCCCTCCTGCAAAACGGCCCAACTACGTTAAGCTTGGCACT
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AACCTTCTGTAGCTTCATCTCCAAATGGTAAGGAGAGTGACCTAAGAAGATCTGAGGTGCCTTGTGCTCC
CATGCCTAAAAAAACTCATCAGCCATCTGATGAAGTGGGCACATCCATAGAGCACCCCAGGGAGGCAGAG
GAGGTAATGGATGCAGGGTGTCAAGAATCGGCAGGGCCTGAGAGGATCACAGACCAGGAGGCCAGTGAAA
ACCATGTTGCTGCCACAGGGAGTCACCTCTGCGTTCTCAGGAGTAGAAAATTACTGAAGCAACTGTCAGC
CTGGTGTGGGCCCAGTTCTGAGGATAGTCGGGGAGGCCGGCGAGCTCCCGGCAGAGGCCAGCAAGGATTG
ACCAGAGAGGCTTGCCTGTCCATCTTGGGCCACTTCCCCAGGGCCCTGGTTTGGGTCAGCCTGTCCCTGC
TCAGCAAGGGCAGCCCCGAGCCTCACACCATGATCTGTGTCCCAGCCAAGGAGGACTTCCTCCAGCTCCA
TGAGGACTGGCATTACTGTGGGCCCCAGGAATCCAAACACAGTGACCCATTCAGGAGCAAGATCCTGAAA
CAGAAAGAGAAGAAGAAAAGGGAGAAGAGGCAGAAGCCAGGACGTGCCTCTTCTGATGGCCCGGCGGGGG
AAGAGCCCGTGGCTGGGCAGGAAGCTCTGACTCTAGGGCTGTGGTCAGGCCCTCTGCCGCGTGTGACGTT
GCACTGCTCCAGAACTCTCCTAGGCTTTGTGACTCAGGGAGATTTTTCCATGGCTGTTGGCTGTGGAGAA
GCCCTGGGGTTTGTTAGCTTGACAGGCTTGCTGGATATGCTGTCCAGCCAGCCTGCAGCGCAGAGGGGCT
TAGTGCTACTGAGGCCTCCCGCCTCTCTGCAGTATCGATTTGCGAGGATTGCTATTGAGGTGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015029 unedited
GGGTTCAAATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGATT
CCTCACAGCGTCTGGCAGAAATGTCAAATGCAAAAGAAAGAAACACGCCAAGAAAATGAG
AAACCAGCCTACCAATGTGACTCTGTCCTCTGGCTTTGTGGCTGACAGAGGTGTAAAGCA
CCACAGTGGAGGTGAAAAACCTTTCCAAGCTCAAAAACAAGAGCCTCATCCTGGAACTTC
ACGACAGCGGCAAACCAGAGTCAACCCCCATTCTCTGCCTGACCCTGAAGTGAATGAGCA
GTCTTCCTCCAAAGGGATGTTTAGAAAAAAGGGAGGATGGAAAGCAGGTCCCGAGGGCAC
GTCTCAGGAGATCCCCAAGTATATAACTGCTTCTACTTTTGCTCAAGCACGAGCTGCTGA
AATCAGTGCTATGTTAAAAGCTGTGACCCAGAAGTCTTCGAATTCACTGGTTTTTCAGAC
TCTGCCACGGCACATGCGACGAAGAGCCATGAGCCACAACGTCAAACGCCTTCCCAGACG
GTTACAGGAGATTGCCCAGAAAGAGGCGGAGAAAGCCGTACATCAGAAAAAAGAACATTC
AAAAAATAAATGCCATAAAGCTCGAAGATGTCACATGAACCGGACGCTAGAATNTAACCG
TAGACAAAAGAAGAACATTTGGTTAGAAACTCACATCTGGCACGCCAAGCGGTTTCATAT
GGTCAAGAAGTGGGGCTACTGCCTTGGGGAGAGGCCAACAGTCAAGAGCCACAGAGCCTG
CTATCGAGCCCATGACGAACCGTGCCTNCTGCNAGATNTATCCTATTACTGTTGTTGGNA
GTTGAAAGGGCAAAGAGAAAGAATACTAAAGGCGCTTTCTGGAATGTGTAACATAGACAC
AGGNCTGACGTTNGCAGCAGTTCACTGCTTTGTCTGAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015029 unedited
NTTATTTTTTTNNNNTTTGACTTGNACCGCGCCCGCATTCTGANGATCGATTTTTTTTTT
TTTTTTTTCAGGTGACATTTTCATTTATTCTGTTTACAGATGCCACTTAGTTACACTGTT
TTTTTTTTTTCAGTCTCATCTGGGTTGGATCCAAAGACTTCAGAGGCATGGTAAGAGGCA
AAGCATCAGACATCTCATTGGTTGGCAGTACTTCCTGACTACTGTACCACCTGCTGTATC
CCTTCCCCACCTAATTACCCCCAAAAGCCTTTAATGGCCAAATGCCTCATTAAAAACCCA
ATGCTTTTCCATAAAAAAAGGCCAACCGCGCAATTTCCATTTTTTAAAAAAAAAACCCCT
TAACCCCTTTCATAAAATTTTGGGCGGGAAGGGAAAGGCCCCAGGTTTTTTACAAACCCC
TTTTTGGAAACCCCTAAGGTGTGGGGCCCCCCGGGGTTTCCCCCCATGTGGAAAAAAAAC
CCCCCTGGGCCCCCCCCTTCTTTGGGGGAAAAAGAAGAAAACCCCCCTTTTTTACCCCCC
GGGGAAAAAAACCGGGGGGCCACACCCCCCCCTTCTTTTTTTTAAAGAAAACCTTCCCCC
CCAATTTTTATTCCTCCGGGGGGGGGGGTGTTTTTTTAAAAAACCCCCCCCCCCAAAGAA
GGGGGGGCTAAAAAAAAAGGCCTTTCCAAAAGGGGGGTGTGTTTGGAAAAAATTTTTTA
TCACCCCCTTTTTTTTAAAAAAAAAATAACCTCCTCTTTTTCTTTCTTCGCGGAGGACGC
GGCGCGCCGTGGTTAATATAGAGGGAGGAGGGTGGTGAGACCTTGTCTCCTTTCAAAAAA
GAAAACAGCTTTTTTTTTTTTTTCAAGAGGGGGGTGTTGTTTCACCCGCCCCGGGGCGGGG
GGTGTATTCTTTTTTTGTGTTGGGGGCGCGAATAACATAAAACCAATGTGTGGTGAGGAG
ACAGCCCTTTCTG

Restriction Sites: NotI-NotI

ACCN: NM_015029

Insert Size: 4700 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:	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_015029.1, NP_055844.1
RefSeq Size:	3269 bp
RefSeq ORF:	3075 bp
Locus ID:	10940
UniProt ID:	Q99575
Cytogenetics:	8q22.2
Protein Families:	Stem cell - Pluripotency
Gene Summary:	This gene encodes the protein subunit of two different small nucleolar ribonucleoprotein complexes: the endoribonuclease for mitochondrial RNA processing complex and the ribonuclease P complex. The encoded protein is a ribonuclease that localizes to the nucleus and functions in pre-RNA processing. This protein is also an autoantigen in patients suffering from connective tissue diseases. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.