OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC326507

POP1 (NM_001145860) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POP1 (NM_001145860) Human Untagged Clone
Tag:	Tag Free
Symbol:	POP1
Synonyms:	ANXD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC326507 representing NM_001145860.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCAAATGCAAAAGAAAGAAAACACGCCAAGAAAATGAGAAACCAGCCTACCAATGTGACTCTGTCC
TCTGGCTTTGTGGCTGACAGAGGTGTAAAGCACCACAGTGGAGGTGAAAAACCTTTCCAAGCTCAAAAA
CAAGAGCCTCATCCTGGAACTTCACGACAGCGGCAAACCAGAGTCAACCCCCATTCTCTGCCTGACCCT
GAAGTGAATGAGCAGTCTTCCTCCAAAGGGATGTTTAGAAAAAAGGGAGGATGGAAAGCAGGTCCCGAG
GGCACGTCTCAGGAGATCCCCAAGTATATAACTGCTTCTACTTTTGCTCAAGCACGAGCTGCTGAAATC
AGTGCTATGTTAAAAGCTGTGACCCAGAAGTCTTCGAATTCACTGGTTTTTCAGACTCTGCCACGGCAC
ATGCGACGAAGAGCCATGAGCCACAACGTCAAACGCCTTCCCAGACGGTTACAGGAGATTGCCCAGAAA
GAGGCGGAGAAAGCCGTACATCAGAAAAAAGAACATTCAAAAAATAAATGCCATAAAGCTCGAAGATGT
CACATGAACCGGACGCTAGAATTTAACCGTAGACAAAAGAAGAACATTTGGTTAGAAACTCACATCTGG
CACGCCAAGCGGTTTCATATGGTCAAGAAGTGGGGCTACTGCCTTGGGGAGAGGCCAACAGTCAAGAGC
CACAGAGCCTGCTATCGAGCCATGACGAACCGGTGCCTCCTGCAGGATTTATCCTATTACTGTTGTTTG
GAGTTGAAAGGCAAAGAGGAAGAAATACTAAAGGCGCTTTCTGGAATGTGTAACATAGACACAGGGCTG
ACGTTTGCAGCAGTTCACTGCTTGTCTGGAAAGCGCCAAGGGAGCCTTGTGCTTTATCGGGTGAATAAA
TATCCCAGAGAAATGCTTGGGCCTGTTACGTTTATCTGGAAGTCCCAGAGGACCCCGGGTGACCCTTCT
GAGAGCAGGCAGCTGTGGATCTGGCTGCATCCAACCCTTAAACAGGATATCTTAGAGGAAATAAAAGCA
GCGTGCCAGTGTGTGGAACCCATCAAATCAGCTGTCTGCATCGCTGACCCACTTCCAACACCATCCCAA
GAAAAAAGCCAAACTGAATTGCCTGACGAGAAAATTGGCAAGAAAAGAAAAAGGAAAGATGATGGAGAA
AATGCTAAACCAATTAAAAAAATTATCGGTGATGGAACTAGAGATCCATGTCTACCATACTCTTGGATC
TCTCCAACCACAGGCATTATAATCAGCGATTTGACGATGGAGATGAACAGATTCCGGCTGATTGGGCCA
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GAGACACCTCACCGCTGGTGGATAGAAACCTGTAAGAAACCTGACAGCGTTTCCCTTCATTGCAGACAA
GAAGCCATTTTCGAGTTGTTGGGAGGAATAACATCACCAGCAGAAATTCCGGCAGGTACTATTCTGGGA

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CTGACAGTTGGGGATCCTCGAATAAATTTGCCCCAAAAGAAGTCCAAAGCTTTGCCCAATCCAGAAAAA
TGCCAAGATAATGAGAAAGTTAGACAGCTGCTTCTGGAGGGTGTGCCTGTGGAATGTACGCATAGCTTT
ATCTGGAACCAAGATATCTGTAAGAGTGTCACAGAGAATAAAATCTCGGATCAGGATTTAAACCGGATG
AGGAGTGAATTGCTGGTGCCTGGGTCACAGCTTATTTTAGGTCCCCATGAATCCAAGATACCTATACTT
TTGATTCAGCAGCCAGGAAAAGTGACTGGTGAAGATCGACTAGGCTGGGGAAGTGGCTGGGATGTCCTA
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AAAGAGTCTGCAGTGCATTCTCAGTATAAGAGGTCGCCTAATGTCCCAGGCGATTTTCCAGACTGCCCT
GCCGGGATGCTGTTTGCGGAAGAGCAAGCTAAGAATCTTCTTGAAAAGTACAAAAGACGCCCTCCTGCA
AAACGGCCCAACTACGTTAAGCTTGGCACTCTGGCACCTTTCTGCTGTCCCTGGGAGCAGTTAACTCAA
GACTGGGAGTCAAGAGTCCAGGCTTACGAAGAACCTTCTGTAGCTTCATCTCCAAATGGTAAGGAGAGT
GACCTAAGAAGATCTGAGGTGCCTTGTGCTCCCATGCCTAAAAAAACTCATCAGCCATCTGATGAAGTG
GGCACATCCATAGAGCACCCCAGGGAGGCAGAGGAGGTAATGGATGCAGGGTGTCAAGAATCGGCAGGG
CCTGAGAGGATCACAGACCAGGAGGCCAGTGAAAACCATGTTGCTGCCACAGGGAGTCACCTCTGCGTT
CTCAGGAGTAGAAAATTACTGAAGCAACTGTCAGCCTGGTGTGGGCCCAGTTCTGAGGATAGTCGGGGA
GGCCGGCGAGCTCCCGGCAGAGGCCAGCAAGGATTGACCAGAGAGGCTTGCCTGTCCATCTTGGGCCAC
TTCCCCAGGGCCCTGGTTTGGGTCAGCCTGTCCCTGCTCAGCAAGGGCAGCCCCGAGCCTCACACCATG
ATCTGTGTCCCAGCCAAGGAGGACTTCCTCCAGCTCCATGAGGACTGGCATTACTGTGGGCCCCAGGAA
TCCAAACACAGTGACCCATTCAGGAGCAAGATCCTGAAACAGAAAGAGAAGAAGAAAAGGGAGAAGAGG
CAGAAGCCAGGACGTGCCTCTTCTGATGGCCCGGCGGGGGAAGAGCCCGTGGCTGGGCAGGAAGCTCTG
ACTCTAGGGCTGTGGTCAGGCCCTCTGCCGCGTGTGACGTTGCACTGCTCCAGAACTCTCCTAGGCTTT
GTGACTCAGGGAGATTTTTCCATGGCTGTTGGCTGTGGAGAAGCCCTGGGGTTTGTTAGCTTGACAGGC
TTGCTGGATATGCTGTCCAGCCAGCCTGCAGCGCAGAGGGGCTTAGTGCTACTGAGGCCTCCCGCCTCT
CTGCAGTATCGATTTGCGAGGATTGCTATTGAGGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001145860
Insert Size:	3075 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001145860.1

RefSeq Size:	4761 bp
RefSeq ORF:	3075 bp
Locus ID:	10940
UniProt ID:	Q99575
Cytogenetics:	8q22.2
Protein Families:	Stem cell - Pluripotency
MW:	114.7 kDa
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 (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.