

Product datasheet for **SC126056**

POP5 (NM_015918) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: POP5 (NM_015918) Human Untagged Clone
Tag: Tag Free
Symbol: POP5
Synonyms: hPop5; HSPC004; RPP2; RPP20
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015918 edited
GGAGAGCGCGGAGGCAGCCATGGTGC GGTTCAAGCACAGGTACCTGCTCTGCGAACTGGT
GTCTGACGACCCCGCTGCCGCTAAGCCTCGATGACCGAGTTCTGAGCAGCCTCGTACG
GGACACGATCGCCAGGGTGCACGGAACTTTCGGCGCAGCCGCTGCTCCATCGGCTTCGC
GGTTCGATATCTCAATGCCTATACTGGAATAGTGCTACTTCGATGCAGAAAAGAATTCTA
TCAGCTTGTGGTCAAGTCTTCCCTTCATCACATACTGGAGAACAAGGACACCGTTA
CCCATGCTTTTTCAACACATTACATGTGGGAGGTACAATAAGAATGTCAGAAAGTTCT
AATTCAGTACAACAGGAGACAGCTGTTGATCTTGTTCAGAACTGCACTGATGAAGGAGA
GCGGGAAGCTATCCAGAAGTCTGTGACAAGAAGCTGCTTACTAGAGGAGGAGGAGGAGTC
AGGTGAGGAGGCTGCAGAAGCAATGGAGTGAACCTCTGCTCCCCACACAGCTGGCTACAC
TGCTCAGGCTTCAGGCCACTTGTGAACAGAACAATCTGGGTAGCAACAGCATCTTCCA
CAGTTTTCCAAACTGGATAGCTGCCAACCAGCAGACATTACCCACTTGAATGGAGTACT
CAGTAAACTGAAGTTGCCCTTACCTAGCATTCCCTGGTGAAGTGTTCAGGTTGTGAAC
TCTGTAGACATCTTTATTGCTTGGCTAAGAGTAGATTTAATAAATGTATCTGGTTCCGT
GGCAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_015918 unedited TTCGGATTGTATACACTCATATAGGCGGCCGCGTATTACAGATCTGGTACCGGTCCGGAA TTCCCGGGATATCGTCGACCCACGCGTCCGGGAGAGCGCGGAGGCCAGCCATGGTGCGGTT CAAGCACAGGTACCTGCTCTGCGAACTGGTGTCTGACGACCCCGCTGCCGCCTAAGCCT CGATGACCGAGTTCTGAGCAGCCTCGTACGGGACACGATCGCCAGGGTGCACGGAACCTT CGGCGCAGCCGCTGCTCCATCGGCTTCGCGGTTTCGATATCTCAATGCCTATACTGGAAT AGTGCTACTTCGATGCAGAAAAGAATTCTATCAGCTTGTGTGGTCACTTCCCTTCAT CACATACTTGGAGAACAAGGACACCGTTACCCATGCTTTTTCAACACATTACATGTGGG AGGTACAATAAGAACATGTCAGAAGTTCCTAATTCAGTACAACAGGAGACAGCTGTTGAT CTTGTTGCAGAACTGCACTGATGAAGGAGAGCGGGAAGCTATCCAGAAGTCTGTGANCA AAGCTGCTTACTAGAGGAGGAGGAGGAGTCAAGTCAAGGAGGCTGCAGAAGCATGGAGTGA ACCTCTGCTCCACACAGCTGGCTACTGCTCAGGCTTCAGGCCCACTTGTGTTGACAG AACANTCTGGGTAGCAACAGCATCTCCACAGTTTTCAAAGTGGATAGCTGCCACCCAG CAGACATACCCACTTTGAATGGAGTACTCAGTAAACTGAAGTTCCTTTACCTAACCTT CCCCGGGTGAAATGTTCCAAGTTGGGAACCTCTGTAACATCTTTATTGGCTGGCCTAAG AGTAAATTTAAAAATGGTTTCTGGGTTTCGTGGGCAAAAAAAAAAAAAAAAAAGGGGCCCGC GCCGTCAAAAGTGGTTTCTGAAAATATCCCGGTGGCATCCCCTGGCACCTC
Restriction Sites:	NotI-NotI
ACCN:	NM_015918
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:	<ol style="list-style-type: none"> 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_015918.3 , NP_057002.2
RefSeq Size:	801 bp
RefSeq ORF:	492 bp
Locus ID:	51367
UniProt ID:	Q969H6
Cytogenetics:	12q24.31
Protein Families:	Stem cell - Pluripotency

Gene Summary:

Component of ribonuclease P, a protein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:11413139, PubMed:30454648). Also a component of the MRP ribonuclease complex, which cleaves pre-rRNA sequences (PubMed:28115465).

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer protein (isoform a).