

Product datasheet for SC301687

MYPOP (NM_001012643) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYPOP (NM_001012643) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYPOP
Synonyms:	P42pop
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301687 representing NM_001012643. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCCTCGGCGCGCGGGCGAAGCGGAGAAACACCCGGTTGCGCAAGCCGCGCTTCTCATTGAA
 GAGAACAGATCCTGATCCGCGAGGTGCGCGCCCACTACCCGAGCTCTACGGCGCGCAGAGCCGTCGG
 GTGAGCGTGCCAGAGCGGCGCGCGTGTGGACGGCATCGCCGCCAAGATCAACGGTATCACCAGCTGG
 AAGCGCACGGGCCAGGAGGTGCAGAAGCGCTGGAACGACTTCAAGCGCCGCACCAAGGAGAAGCTCGCT
 CGCGTGCCGCACTCCACGAGGGCGCGGGCCCGCGGAGGACGCTTCTCCGCGGAAGAGGAGACC
 ATTTTGGCATCCTGGGGCCAGGTGTGGCGGCGCGGGGCGAGGTGCTGGGGCGGAGAGCCCCCTGCG
 GCCCCCTCTTACAGCCGCCGCCCAAGCGCCTGCCCTCAGCGCTACGTGTTGTCGGAAGACCGCCGG
 GAGGACCGACGTGCAGATACATCAGCCACAGCAAGGCGGGCTCCAGCAGCCCGAGCCATGGGGCCGG
 CCCTCCTGCACTCCCCAGGAAGGGGGCTGCCACGGCCCAAGGAGCGTGAGTCAACACCCCTTCGGCC
 CTGCAGCCGGTCCAGTGCCTCGCTGGCCTGTCTCCACACCCCAAGCCCTCCACTGCCACCCCA
 CCGCACTGGCCCAAGTGGCACCTCACCCCTAGCCCCCAAGCCCTCCTCGGCCTCCACCCACGCTC
 TCGGCCTCAGACCCCTCCCTGGACTTCTGCGGGCCAGCAGGAGACTGCCAACGCCATCCGGGAGCTG
 GCCGGCACCCCTTCGACAGGAGTGGCCAACTGAGCGAGGCCCTCAGCGCTCTGCTGCCCTTCTGCCA
 GGAACCCAGTTGACTCCCTGCCTCCACCTCTGCCCCACCCCAAGCCACCTCCAGGCCT
 GTCTGCCCCACCGGCCCAAGGTGGAGATCACCCAGAGCCCGTGTCCGTGGTGGCTGCTGTGGTG
 GACGGGGCAGTGGTGGCAGCCAGGGGAGTGATCATTGCCCAAGGAGCGAGGAGGGGGCACCCCGGCC
 CCCCCAGCCCGCTCCCTCCGACGACTCCCCCACACAAGCGGAGAAAGTTTCCCTACACGGAAA
 AGGCGCGCCGATGGAATCTCCGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_001012643
Insert Size:	1200 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	<u>NM_001012643.3</u>
RefSeq Size:	1909 bp
RefSeq ORF:	1200 bp
Locus ID:	339344
UniProt ID:	<u>Q86VE0</u>
Cytogenetics:	19q13.32
MW:	42.5 kDa
Gene Summary:	Transcriptional repressor; DNA-binding protein that specifically recognizes the core sequence 5'-YAAC[GT]G-3'. Dimerization with PFN1 reduces its DNA-binding capacity (By similarity). [UniProtKB/Swiss-Prot Function]