

Product datasheet for **SC127792**

PURA (NM_005859) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PURA (NM_005859) Human Untagged Clone
Tag:	Tag Free
Symbol:	PURA
Synonyms:	MRD31; PUR-ALPHA; PUR1; PURALPHA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005859, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGACCGAGACAGCGGCAGCGAGCAGGGTGGTGC GGCGCTGGGTTTCGGGCGGCTCCCTGGGGCACC  
CCGGCTCGGGCTCAGGCTCCGGCGGGGGCGGTGGTGGCGCGGGGGCGGCGGCGGAGTGGCGGGCGCGG  
CGGCGGGGCCAGGGGGCTGCAGCACGAGACGCAGGAGCTGGCCTCCAAGCGGGTGGACATCCAGAAC  
AAGCGTTCTACCTGGACGTGAAGCAGAACGCCAAGGGCCGTTCTGAAGATCGCCGAGGTGGGCGCGG  
GCGGCAACAAGAGCCGCCTTACTCTCCATGTCAGTGGCCGTGGAGTTCGCGACTACCTGGGCGACTT  
CATCGAGCACTACGCGCAGCTGGGCCCCAGCCAGCCGCGGACCTGGCCCAGGCGCAGGACGAGCCGCGC  
CGGGCGCTCAAAAGCGAGTTCCTGGTGC GCGAGAACC GCAAGTACTACATGGATCTCAAGGAGAACCAGC  
GCGGCCGCTTCTGCGCATCCGCCAGACGGTCAACCGGGGGCCTGGCCTGGGCTCCACGCAGGGCCAGAC  
CATTGCGCTGCCCGCGCAGGGGCTCATCGAGTTCGCTGACGCTCTGGCCAAGCTCATCGACGACTACGGA  
GTGGAGGAGGAGCCGGCCGAGCTGCCCGAGGGCACCTCCTTGACTGTGGACAACAAGCGCTTCTTCTTCG  
ATGTGGGCTCCAACAAGTACGGCGTGTATGCGAGTGAGCGAGGTGAAGCCCACCTATCGCAACTCCAT  
CACCGTGCCCTACAAGGTGTGGGCAAGTTCGGACACACCTTCTGCAAGTACTCGGAGGAGATGAAGAAG  
ATTCAAGAGAAGCAGAGGGAGAAGCGGGCTGCCTGTGAGCAGCTTACCAGCAGCAACAGCAGCAGCAGG  
AGGAGACCGCCGCTGCCACCTGCTACTGCAGGGTGAGGAAGAAGGGGAAGAAGATTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005859 unedited CTATAGGCGGCCGCGCAGCGCGCGCGCGCGCAGCGGAGCGCAGCATCATGGCGGACCG AGACAGCGGCAGCGAGCAGGGTGGTGGCGCGCTGGGTTTCGGGCGGCTCCCTGGGGCACCC CGGCTCGGGCTCAGGCTCCGGCGGGGGCGGTGGTGGCGCGGGGGCGGCGGCGCAGTGG CGGCGGCGGCGGCGGGGGCCCCAGGGGGCTGCAGCACGAGACGCAGGAGCTGGCCTCAA GCGGGTGGACATCCAGAACAAGCGCTTCTACCTGGACGTGAAGCAGAACGCCAAGGGCCG CTTCTGAAGATCGCCGAGGGGNNCGCGNCGGCAACAAGAGCCGCTTACTCTCTCCAT GTCAGTGGCCGTGGAGTTCGCGACTACCTGGGCGACTTTCATCGAGCACTACGCGCAGCT GGGCCCCAGCCAGCCCGGACCTGGCCAGGCGCAGGACGAGCCGCGCGGGCGCTCAA AAGCGAGTTCCTGGTGCAGGAAACCGCAAGTACTACATGGATCTCAAGGAGAACCAGCG CGGCCGCTTCTGCGCATCCGCCAGACGGTCAACCGGGGCGCTGGCTGGGCTCCACGCA GGGCCAGACCATTGCGCTGCCGCGCAGGGGCTCATCGA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005859 unedited TTTAAGTCTTCTATGNACCGCGCGCATTCTATGATCGGTTTTTTTTTTTTTTTTTTTTT TTGTTCTTTATATTTTTAATCAAGTAGGAAACACAGTTCATATAATGTTATTACTTTT TGTATTTTTTTTTTTTTAGCAGCTGCTTACTGTTTTATATGGTGATAAAGTGGACAAC ATCCAGCGATGGGTGGCAAGTCAAGAAGAGAACTGTCAGTTGGTGAAGTTCTGTGGGT GGTGCTCCCTGGAGTTAACAAGTTTTTTTTTTTTTTTTTAACTTTTTAACTTTTTATTTTC TCTCTTTCTTTACAGTATATTTCTGTGTGTGGCTGTGTGTGTGTGTATGCATGTG TGTGTGTGGGGTTTCATTCAAGTTTGATCAATCTTCTTCCCCTTCTCCTCACCTGC AGTAGCAGGGTGGCAGCGCGGTCTCCTCCTGCTGCTGTTGCTGCTGGTGAAGTGC TCACAGGCAGCCGCTTCTCCCTGCTTCTTGAATCTTCTCATCTCCTCCGAGTAC TTGCAGAAAGTGTGCCAAGTGGCCACACCTTGTAGGGCACGGTGTGGAGTTGCGA TAGGTGGGCTTCACTCGCTCACTCGCATAAACACGCCGTAATTGTTGGAGCCCACATCG AAGAATAAGCGCTTGTGTCCACAGTCAAAGAGGTGCCCTCGGGCAGCTCGGCCGGCTCC TCCTCCACTCCGATTCCTCCATGAGCTTGGCCAGAGCGTCACGGGACTCGATGAGCCCC TGCGCGGGCAGCGCAATGGTCTGGCCTTGGCTGGAGCCAGCCAGGCCCCCGGTTGACCC TCTGGCGATGCGCCAGAATCCGGCCCCCTGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005859
Insert Size:	1500 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_005859.3 , NP_005850.1
RefSeq Size:	2614 bp
RefSeq ORF:	969 bp
Locus ID:	5813
UniProt ID:	Q00577
Cytogenetics:	5q31.3
Domains:	PUR
Protein Families:	Transcription Factors
Gene Summary:	This gene product is a sequence-specific, single-stranded DNA-binding protein. It binds preferentially to the single strand of the purine-rich element termed PUR, which is present at origins of replication and in gene flanking regions in a variety of eukaryotes from yeasts through humans. Thus, it is implicated in the control of both DNA replication and transcription. Deletion of this gene has been associated with myelodysplastic syndrome and acute myelogenous leukemia. [provided by RefSeq, Jul 2008]