

Product datasheet for **RG206280**

PURA (NM_005859) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PURA (NM_005859) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PURA
Synonyms:	MRD31; PUR-ALPHA; PUR1; PURALPHA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206280 representing NM_005859 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACCGAGACAGCGGCAGCGAGCAGGGTGGTGGCGGCTGGGTTCCGGCGGCTCCCTGGGGCACC
CCGGCTCGGGCTCAGGCTCCGGCGGGGGCGGTGGTGGCGCGGGGGCGGCGGCGGAGTGGCGGGCGGCGG
CGGCGGGCCCCAGGGGGGCTGCAGCACGAGACGCAGGAGCTGGCCTCCAAGCGGTGGACATCCGGAAC
AAGCGTTTACCTGGACGTGAAGCAGAACGCCAAGGGCCGTTCTCTGAAGATCGCCGAGGTGGGCGCGG
GCGGCAACAAGAGCCGCCTTACTCTCTCCATGTCAGTGGCCGTGGAGTTCGCGACTACCTGGGCGACTT
CATCGAGCACTACGCGCAGCTGGGCCAGCCAGCCGCGGACCTGGCCAGGCGCAGGACGAGCCGCGC
CGGGCGCTCAAAAGCGAGTTCCTGGTGGCGGAGAACCAGCAAGTACTACATGGATCTCAAGGAGAACCAGC
GCGGCCGCTTCTGCGCATCCGCCAGACGGTCAACCGGGGGCCTGGCCTGGGCTCCACGCAGGGCCAGAC
CATTGCGCTGCCCGCGCAGGGGCTCATCGAGTTCGCGTACGCTCTGGCCAAGCTCATCGAGCACTACGGA
GTGGAGGAGGAGCCGGCCGAGCTGCCGAGGGCACCTCCTTGACTGTGGACAACAAGCGCTTCTTCTTCG
ATGTGGCTCCAACAAGTACGGCGTGTATGCGAGTGAAGCGAGGTGAAGCCACCTATCGCAACTCCAT
CACCGTCCCTACAAGGTGTGGGCAAGTTCGGACACACCTTCTGCAAGTACTCGGAGGAGATGAAGAAG
ATCAAGAGAAGCAGAGGGAGAAGCGGGCTGCCTGTGAGCAGCTTACCAGCAGCAACAGCAGCAGCAGG
AGGAGACCGCCGCTGCCACCCTGCTACTGCAGGGTGGAGGAAGAAGGGGAAGAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206280 representing NM_005859
Red=Cloning site Green=Tags(s)

MADRDGSEQGGAAALGSGGSLGHPGSGSGSGGGGGGGGGGGGGGGGGGGGAPGGLQHETQELASKRVDIRN
 KRFYLDVKQNAKGRFLKIAEVGAGGNKSRLLTSMVAVEFRDYL GDFIEHYAQLGPSQPPDLAQAQDEPR
 RALKSEFLVRENKYYMDLKENQRGRFLRIRQTVNRGPGLGSTQGQTIALPAQGLIEFRDALAKLIDYDG
 VEEPAELPEGTSLTVDNKRFFFDVGSNKYGVFMRVSEVKPTYRNSITVPYKVKWAKFGHTFCYSEEMKK
 IQEKQREKRAACEQLHQQQQQQEETAATLLLLQGEEEEED

TRTRPLE - GFP Tag - V

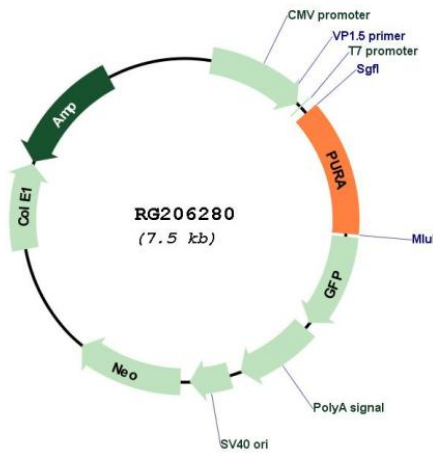
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_005859

ORF Size: 966 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>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_005859.3, NP_005850.1</p>
RefSeq Size:	<p>2614 bp</p>
RefSeq ORF:	<p>969 bp</p>
Locus ID:	<p>5813</p>
UniProt ID:	<p>Q00577</p>
Cytogenetics:	<p>5q31.3</p>
Domains:	<p>PUR</p>
Protein Families:	<p>Transcription Factors</p>
Gene Summary:	<p>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]</p>