

Product datasheet for RC206280

PURA (NM_005859) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PURA (NM_005859) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PURA
Synonyms:	MRD31; PUR-ALPHA; PUR1; PURALPHA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206280 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACCGAGACAGCGGCAGCGAGCAGGGTGGTGC GGCGCTGGGTTCCGGCGGCTCCCTGGGGCACC
CCGGCTCGGGCTCAGGCTCCGGCGGGGGCGGTGGTGGCGCGGGGGCGGCGGCGGAGTGGCGGGCGG
CGGCGGGGCCAGGGGGCTGCAGCACGAGACGCAGGAGCTGGCCTCCAAGCGGTGGACATCCGGAAC
AAGCGTTCTACCTGGACGTGAAGCAGAACGCCAAGGGCCGTTCTCTGAAGATCGCCGAGGTGGGCGCG
GCGGAACAAGAGCCGCCTTACTCTCTCCATGTCAGTGGCCGTGGAGTTCGCGACTACCTGGGCGACTT
CATCGAGCACTACGCGCAGCTGGGCCAGCCAGCCGCCGACCTGGCCAGGCGCAGGACGAGCCGCGC
CGGGCGCTCAAAAGCGAGTTCCTGGTGC GCGAGAACC GCAAGTACTACATGGATCTCAAGGAGAACCAGC
GCGGCCGCTTCCTGCGCATCCGCCAGACGGTCAACCGGGGGCCTGGCCTGGGCTCCACGCAGGGCCAGAC
CATTGCGCTGCCCGCGCAGGGGCTCATCGAGTTCGCGTGCAGCTCTGGCCAAGCTCATCGAGCACTACGGA
GTGGAGGAGGAGCCGGCCGAGCTGCCGAGGGCACCTCCTTGACTGTGGACAACAAGCGCTTCTTCTCG
ATGTGGCTCCAACAAGTACGGCGTGTATGCGAGTGAAGCGAGGTGAAGCCACCTATCGCAACTCCAT
CACCGTGCCCTACAAGGTGTGGCCAAGTTCGGACACACCTTCTGCAAGTACTCGGAGGAGATGAAGAAG
ATCAAGAGAAGCAGAGGGAGAAGCGGGCTGCCGTGTGAGCAGCTTACCAGCAGCAACAGCAGCAGCAGG
AGGAGACCGCCGCTGCCACCTGCTACTGCAGGGTGGAGGAAGAAGGGGAAGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206280 protein sequence
 Red=Cloning site Green=Tags(s)

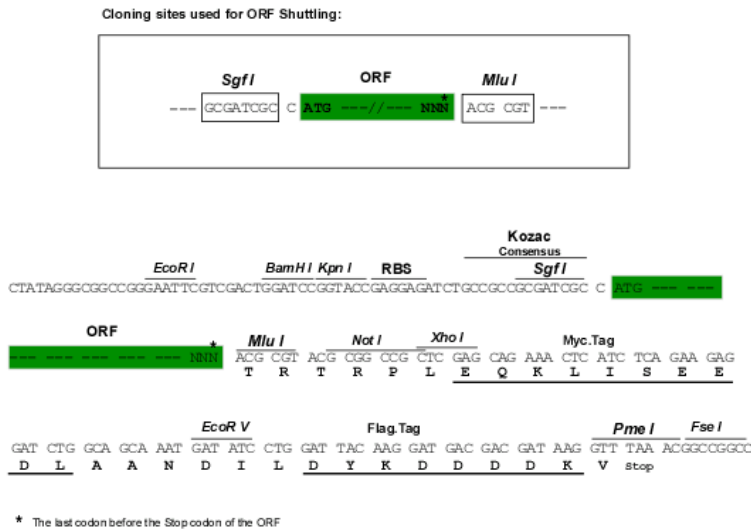
MADRDGSEQGGAAALGSGGSLGHPGSGSGSGGGGGGGGGGGGGGGGGGGGGAPGGLQHETQELASKRVDIRN
 KRFYLDVKQNAKGRFLKIAEVGAGGNKSRLLTSMVAVEFRDYLGDIEHYAQLGPSQPPDLAQAQDEPR
 RALKSEFLVRENKYYMDLKENQRGRFLRIRQTVNRGPGLGSTQGQTIALPAQGLIEFRDALAKLIDYD
 VEEPAELPEGTSLTVDNKRFFFDVGSNKYGVFMRVSEVKPTYRNSITVPYKVVAKFGHTFCKYSEEMKK
 IQEKQREKRAACEQLHQQQQQQEETAATLLLLQGEEEGED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6814_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005859

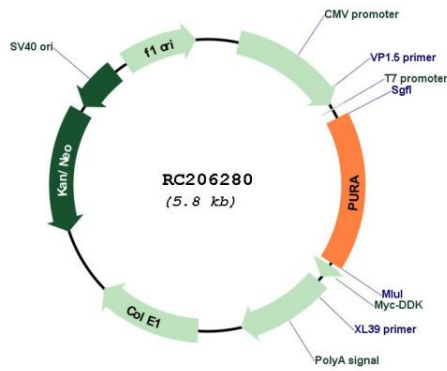
ORF Size: 966 bp

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.

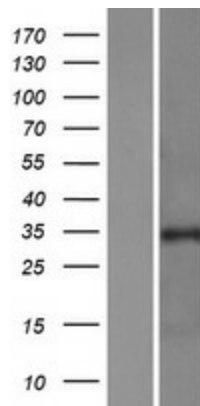
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_005859.5
RefSeq Size:	5304 bp
RefSeq ORF:	969 bp
Locus ID:	5813
UniProt ID:	Q00577
Cytogenetics:	5q31.3
Domains:	PUR
Protein Families:	Transcription Factors
MW:	34.9 kDa
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]

Product images:



Circular map for RC206280



Western blot validation of overexpression lysate (Cat# [LY417029]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206280 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).