

Product datasheet for **SC101337**

Pur B (PURB) (NM_033224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pur B (PURB) (NM_033224) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pur B
Synonyms:	PURBETA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033224, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGACGGCGACAGCGGCAGCGAGCGCGGGCGGGCGGTGGGCCGTGCGGGTCCAGCCCGCTCCC  
GCGGCGGGCGGAGCAAGAGACGCAGGAGCTGGCCTCGAAGCGGCTGGACATCCAGAACAAGCGCTTCTA  
CTTAGATGTGAAGCAGAACGCCAAGGGCCGCTTCTCAAGATCGCCGAGGTGGGCGGGCGGTTCCAAG  
AGCCGCTCACGCTGTCCATGGCGGTGGCCGCGAGTTCGCGACTCGCTGGGCGACTTCATAGAACACT  
ACGCGCAGCTGGGCCCTAGCAGCCCCGAGCAGCTGGCGGCTGGCGCCGAGGAGGGCGGGCCGCGGGC  
CGCGCTCAAGAGCGAATTCTTGGTGCCTGAGAACCGAAGTACTACCTGGACCTCAAGGAGAACCAGCGC  
GGCCGCTTCTGCGCATCCGCCAAACGGTCAACCGCGGCGGTGGCGGCTTCGGCGGGGCCCGGGCCGG  
GCGGCTTGAGAGCGGCCAGACCATCGCGCTGCCTGCGCAGGGCCTCATCGAGTTCGCGACGCGCTGGC  
GAAGCTCATAGACGACTACGGAGGCGAGGACGACGAGCTGGCAGGCGGCCCGGGAGGCGGCGCGGGGGC  
CCAGGGGGCGGCCTGTATGGAGAGCTCCCGGAGGGCACCTCCATCACCGTGGACTCCAAGCGCTTCTTCT  
TCGATGTGGGCTGCAACAAATACGGGTGTTTCTGCGAGTGAGCGAGGTGAAGCCGCTCCTACCGCAATGC  
CATCACCGTACCCTTCAAAGCCTGGGGCAAGTTCGGAGGCGCCTTTTCCCGGTATGCGGATGAGATGAAA  
GAAATCCAGGAACGACAGAGGGATAAGCTTTATGAGCGACGTGGTGGGGGACGCGCGGGCGGAAGAGT  
CAGAGGGTGAGGAGGTGGATGAGGATTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033224 unedited
 GCCGCGAATTCGGCACGAGGCGCGGGCGGCGGTGGCGGCGAGGCGGGCGCCTAGAAGATG
 GCGGACGGCGACAGCGGCAGCGAGCGCGGGCGGCGGTGGGCGGTGCGGGTTCCAGCCC
 GCGTCCC GCGGGCGGGCGGCAAGAGACGCAGGAGCTGGCCTCGAAGCGGCTGGACATC
 CAGAACAAGCGCTTCTACTTAGATGTGAAGCAGAACGCCAAGGGCCGCTTCTCAAGATC
 GCCGAGGTGGGCGGGCGGTTCCAAGAGCCGCTCACGCTGTCCATGGCGGTGGCCGCC
 GAGTTCGCGACTCGCTGGGCGACTTCATAGAACAACACGCGCAGCTGGGCCCTAGCAGC
 CCCGAGCAGCTGGCGGCTGGCGCCGAGGAGGGCGGGCCGCGCGCGCTCAAGAGC
 GAATTCCTGGTGCCTGAGAACCGCAAGTACTACCTGGACCTCAAGGAGAACCAGCGCGGC
 CGCTTCTGCGCATCCGCCAAACGGTCAACCGCGGCGGTGGCGGCTTCGGCGCGGGCCCC
 GGGCCGGGCGGCTTGAGAGCGGCCAGACCATCGCGCTGCCTGCGCAGGGCCTCATCGAG
 TTCCGCGACGCGCTGGCGAAGCTCATAGACGACTACGGAGGCGAGGACGACGAGCTGGCA
 GGGCGCCCGGAGGCGGCGCGGGGCCAGGGGCGGCTGTATGGAGAGCTCCCGGAG
 GGGCACCTCATCACCGTGGGACTCCAGCGCTTCTTCTTCGATGTGGGCTGCACAAATACN
 GGGGTGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033224 unedited
 CCCCTACCTTGACCCGCGCAACCTACGAGCGAGTTTTTTTTTTTTTTTTTTTTTTCT
 TTTCTACAAACTATCTCCCGCCCTCCCCAGCCCCACACACCCATTATCCAGTATAC
 TGAATGGGAGTTGTAACCTTTAGGAAGACAGCTAATTGATTTACAGTACTCTAAAACCA
 ACCCTGAAAACCTGATAATCTCACTTACTATAACTTCAGTGTGTAGTTGACAGGAA
 AGAAAAAGTTACCTTAAGGCTCAGGGGAAAGTAACTTATTAATTTGTGAATGCAGCATT
 TTTACTCTCCCATCCATTGGAACTAGCAAAATGCATTCTGGATCAATAATACAAACCTT
 CTAACATTAGCAAAGATTTCTACTCTTCTTACACAGAGTTAGAACAATATTCATAAGCAA
 TTATCTAAGGGAGCCTGAGAACTATGATCCACATCACACAAAGATTTTCATGATTTTCAT
 GATCAAAAAGTGCTTTATCTTTGAGAAATGTCAGGGTTACAATGGAAATATACAATGTAA
 AGTCACCTTGATATTTTTCAAGTGAAGTACAAAGTAGAAAAGGAGCAAAAAGATGGAGGC
 TCTGCTCTCTGAACAGGCCTTATGCATGTGACTTTTAGGGTGTACGAAATTAAGCTGTT
 TTACGAATTAACATAGTGGGACCTTTCCCCACTATATTCTAAAACCTGACATTGGCCAT
 CAAACAGTCCACTTTGTTATTATTAACCCATCTGACCCTTCTAACACATACCACACTCC
 ACTGATTCACCTCAGGGTCAAAAACATTACTTTTCCCCACCCACAAGAACACCCGACCTC
 CCATTAACCTCAGACTGTGCCACACCAAAACTCCCCTCCAGACCCTCCCTCCTCCTCCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_033224

Insert Size:

500 bp

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:

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_033224.3](#), [NP_150093.1](#)

RefSeq Size: 9074 bp

RefSeq ORF: 939 bp

Locus ID: 5814

UniProt ID: [Q96QR8](#)

Cytogenetics: 7p13

Domains: PUR

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]