

Product datasheet for RN204335

Purb (NM_001017503) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Purb (NM_001017503) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Purb
Synonyms:	pur-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204335 representing NM_001017503 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACGGCGACAGCGGCAGCGAGCGCGGTGGCGGGGCCCGGCAGCTTCCAGCCCGCCCCGG
GCGGGGAGGGCCTGGCGGCAGCAGGAGACGCAGGAGCTGGCCTCGAAGCGGCTGGACATCCAGAA
GCGCTTCTACCTGGACGTGAAGCAGAACGCCAAGGGCCGCTTCTCAAGATCGCCGAGGTGGCGCGGG
GGCTCAAAGACCGCCTCAGCTCTCGATGGCGGTGGCCGCCGAGTTCGCGACTCGCTGGGCGACTTCA
TCGAGCACTACGCGCAGCTGGGTCCCAGCAGCCGGAGCAGCTGGCGGGCGCCGAGGAGGGCGCGG
GCCGCGCCGCGCCTTAAGAGCGAATTCCTGGTGCAGGAAACCGCAAGTACTACCTGGACTCAAGGAG
AACCAGCGCGCCGCTTCTGCGCATCCGTGACGCGTAAACCGCGCGGTGGAGGCTTCGCGGGGGAC
CCGGGCCCGCGGCTGCAGAGCGGCCAGACCATCGCGCTGCCGCGCAGGGCCTCATCGAGTTCGCGCA
CGCGCTCGCAAGCTCATCGAGACTACGGGGCGAGGATGACGAGCTGGCCGGTGGCCGGGAGGCGGC
GCCGGCGGCCCTGGGGCGGCTGTACGGAGAGCTCCCGAGGGCACCTCCATCACGGTGGACTCCAAGC
GCTTCTTCTCGACGTGGCTGCAACAAGTACGGGTGTTCTGCGAGTGAGCGAGGTGAAGCCATCCTA
CCGCAATGCCATCACCGTGCCTTCAAGCCTGGGGCAAGTTGGAGGCGCCTTCTGTGGTATGCAGAT
GAAATGAAAGAAATCCAGGAGCGACAGAGGATAAGCTTACGAGCGACCGGTGGGGCAGCGCGGTG
GCGACGAGTCCGAGGGTGAGGAAGTGGATGAGGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001017503



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Insert Size:	948 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:	<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:	<u>NM_001017503.1</u> , <u>NP_001017503.1</u>
RefSeq Size:	2473 bp
RefSeq ORF:	948 bp
Locus ID:	498407
UniProt ID:	<u>Q68A21</u>
Cytogenetics:	14q21
Gene Summary:	Has capacity to bind repeated elements in single-stranded DNA such as the purine-rich single strand of the PUR element located upstream of the MYC gene. Plays a role in the control of vascular smooth muscle (VSM) alpha-actin gene transcription as repressor in myoblasts and fibroblasts (By similarity). Participates in transcriptional and translational regulation of alpha-MHC expression in cardiac myocytes by binding to the purine-rich negative regulatory (PNR) element. Modulates constitutive liver galectin-3 gene transcription by binding to its promoter. May play a role in the dendritic transport of a subset of mRNAs.[UniProtKB/Swiss-Prot Function]