

## Product datasheet for MC209267

### Purb (NM\_011221) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Purb (NM\_011221) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Purb  
**Synonyms:** 2310015K15Rik; AA114818; Cager-2; D11Bwg0414e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC209267 representing NM\_011221  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGACGGCGACAGCGGCAGCGAGCGCGGGTGGCGGGCGGGCGGGCGGGCCCGCGGCTTCC  
 AGCCCGCGCCCGCGGGCGGGCGGGCGGGTGGCGGGCGGGCGGGCGAGCAGGAGACGCAGGAGCTGGC  
 CTGAAGCGGCTGGACATCCAGAACAAGCGTTCTACCTGGACGTGAAGCAGAACGCCAAGGGCCGCTTC  
 CTAAGATCGCCGAGGTGGCGGGCGGGCTCCAAGAGCCGCTCACGCTGTCGATGGCGGTGGCCGCCG  
 AGTTCCGCGACTCGTGGCGACTTCATCGAGCACTACGCGCAGCTGGGTCCCAGCAGCCCGAGCAGCT  
 GGCGGGCGGGCGCCGAGGAGGGCGGGCGGGCGGGCGGGCGGGCTCAAGAGCGAGTTCCTGGTGCAGAAC  
 CGCAAGTACTACCTGGACCTCAAGGAGAACCAGCGCGCCGCTTCTCGCATCCGCCAGACGGTGAACC  
 GCGGGCGGGCGGCTTCGGCGGGGGCCCGGGCCCGGGCGGGCTGCAGAGCGGCCAGACCATCGCGTGC  
 CGCGCAGGGCCTCATCGAGTTCGCGACGCGCTCGCCAAGCTCATCGACGACTACGGGGCGACGAGGAC  
 GAGCTGGCCGGCGGGCCGGGAGGCGGGCGGGCGGGCCCGGGGGCGGGCTGTACGGAGAGCTCCCGGAGG  
 GCACCTCCATCACCGTGGACTCGAAGCGTCTTCTTCGACGTCGGTGAACAAGTACGGGGTGTCTCT  
 GCGAGTGAGCGAGGTGAAGCCGCTCACGCAATGCCATCACCGTGCCCTCAAGGCCTGGGCAAGTTT  
 GGAGGCGCCTTGTGCGGTATGCAGATGAAATGAAAGAGATCCAGGAGCGACAGAGGATAGCTTTACG  
 AGCGACGGCGGGGCGCGGTGGCGGGCAGCAGTCCGAGGGTGAGGAAGTGGATGAGGATTGA

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_011221



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<b>Insert Size:</b>	975 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_011221.3</a></u> , <u><a href="#">NP_035351.1</a></u>
<b>RefSeq Size:</b>	8478 bp
<b>RefSeq ORF:</b>	975 bp
<b>Locus ID:</b>	19291
<b>UniProt ID:</b>	<u><a href="#">O35295</a></u>
<b>Cytogenetics:</b>	11 4.16 cM
<b>Gene Summary:</b>	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. 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 (By similarity). Plays a role in the control of vascular smooth muscle (VSM) alpha-actin gene transcription as repressor in myoblasts and fibroblasts.[UniProtKB/Swiss-Prot Function]