

## Product datasheet for **MC203971**

### Preb (NM\_016703) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Preb (NM_016703) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Preb
Synonyms:	C85705
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC017527  
 CCGACGCGTGGGTGAGAGGGGTCGGCAGTCTTCCGAAAACTCTAGCGCCAAGTTCTGAGCTTTCCGGAG  
 GCGAGGCGCGGCATGTCGTGGGTTCCGCGGGGTTGGCGGTGAACGTGCGGGCGGGATGGGTGCGGCGCGG  
 GGTGTGGAGCTGTACCGGGCCCCGTTCCCGTTGTACGCGCTTCGGATAGACCCCAAGACTGGGCTGCTCA  
 TCGCTGCGGGCGGAGGAGAGCTGCCAAGACCGGCATAAAGAATGGCGTGCATTTTCTGCAGCTAGAGCT  
 GATCAACGGGTGCCTGAGCGCTTCTTGTGCTGACTCTCATGACACGGAGACACGGGCCACCATGAATTTG  
 GCGTGTGCTGGTACATTCTTGTGCTGCCGACAGGATGCCAGTGTGAGTTCCTTCGTTTCCAGTCCATC  
 AACAGAAGGGCAGTAAAGCGGAGAAGTCAAGTTCCAAGGAGCAGGACCTCGACAGAGAAAGGGGCTCC  
 TCCAGCAGAGAAGAAATCGGGAGACAAGTTCACCCCGAAGGGGTTGAACTCAAAGTAAAGAATTTGGAG  
 GCAGTACAGACAGACTTCAGCAATGAACCGCTGCAGAAAGTTGTGTGCTTCAACCATGATAACACCTGC  
 TTGCCACTGGAGAACTGATGGTCATGTTGCTGTGGAAGTACCTAGCCTGGAGAAAGTTCTGGAGTT  
 CAAAGCCCATGAAGGGGAGATTGGAGATTTGACTTTGGTCTGATGGCAAGCTGGTTACAGTGGGCTGG  
 GACTTTAAGGCCCTGTGTGGCAGAAGGATCAACTGGTACACAGCTACAGTGGCAAGAGAATGGACCAG  
 CCTTTTAATACACCATAACCGTACCAGGCTGCAGGTTTGGCAGGTTCCAGATCAGCTCGGTGGGCT  
 GCGACTTTCACAGTGCAGATACCCACAAGCGCTACGTGAGCCCCACCTGTACTCTCACAGCCTGG  
 GACAGTCCACCTTCTTGCCTTTCGGACCAGATCCTGTGGCCATGAGGTCATTTCTGCCTCAGTGTCA  
 GTGATTCGGGTACCTTCTAGGCCATAGGCACGGTCACTGGCTCTGTGCCATCTACATAGCTTTCTCTCT  
 CCAGCGCCTGTATTATGTGAAGGAGGCCATGGCATTGTGGTAACAGATGTGACCTTTCTACCTGAGAAG  
 GGTGTGGTCCAAAGCTCCTTGGGCCCATGAAACTGCTTTTTCTCTGTGGCTGTGGATAGTCGTTGCC  
 AGTTGCACCTGCTGCCTCACGGCGGAGTGTTCCTGTATGGCTTCTGCTCCTGCTGTGTGTCGGCCTTAT  
 TATTGTGACCATCCTGCTGCTCCAGACTGCCTTCCCGGATTTCTCTAACCTCTAGAGCGATGGGAATCA  
 GCCTTGGACAGTCCCGCTTCCAGAGCAGAATCACTGAGCCCCACGGCTGAAGCTGCATCTGATGAACT  
 GATGGGTACTGCTTGCCTCAGCTCACACTTGGCGGTGGCCTCTCGATCACTCTGGGCTTGGGAGCTC  
 TTGCCTTACCTGTGGATCCACTTAAGACATTGTGGTCTGAAGCTCAGGCCACAGTGCCTCGCTCGTTCC  
 CTCAGCCTCCCTCCAGGGCTCCAGAGCTCAGCTTCTCTTTTCTAGAAGCATGTGAAGATGCCAAGAG  
 CCTGGAGACATTGCCATCCTTCTACAGAACTGTTTCTCCTCCTCCCCTCCAGCCTTACACAAGGGCC  
 TTGGCTTTGTTGAGACAGAGCCTGTGCTGGCACTTGTGTTAGGGTAGGAAGAGGCACAAAGAGGACCCC  
 GGTAGCGGTGATCTGTGGCCTTCTGTGGGTAGCACCAAGCCAGTCCAGACACATAGTGAAGTTCCTG  
 GAGGGTCTACTGCAGCCTGAGGAAAGGGAACCTCAGCTCGTTAGGCAGGAAGAGTTGATATTTAATAAAG  
 AGAGAACAATTGAACCGAGAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_016703

**Insert Size:** 1254 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: [BC017527](#), [AAH17527](#)

RefSeq Size: 2000 bp

RefSeq ORF: 1254 bp

Locus ID: 50907

UniProt ID: [Q9WUQ2](#)

Cytogenetics: 5 B1

**Gene Summary:** Guanine nucleotide exchange factor that specifically activates the small GTPase SAR1B. Mediates the recruitment of SAR1B and other COPII coat components to endoplasmic reticulum membranes and is therefore required for the formation of COPII transport vesicles from the ER.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encode the longer isoform (1).