

## Product datasheet for MR201655

### Pglyrp1 (BC005582) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pglyrp1 (BC005582) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pglyrp1  
**Synonyms:** Pglyrp, PGRP, Tag7, PGRP-S  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201655 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTGTTTGCCTGTGCTCTCCTTGCCCTCTGGGTCTGGCAACCTCTGCAGTTTCATCGTGCCCCGCA  
 GTGAGTGGAGGGCCCTGCCATCCGAGTGTCTAGCCGCTGGGGCACCCAGTTCGCTACGTGGTGATCTC  
 ACACACAGCCGGCAGCTTCTGCAACAGCCGGACTCCTGTGAACAGCAGGCCCGCAATGTGCAGCATTAC  
 CACAAGAATGAGCTGGGCTGGTGCATGTAGCCTACAACCTCCTATTGGAGAGGACGGTCATGTCTATG  
 AAGCCGAGGCTGGAACATCAAGGGTGACCACACAGGGCCATCTGGAATCCCATGTCTATTGGCATTAC  
 CTTTCATGGGAACTTCATGGACCGGTACCCGAAAGCGGGCCCTCCGTGCTGCCCTAAATCTTCTGGAA  
 TGTGGGTGTCTCGGGCTTCTTGGATCCAACATGAAGTCAAAGGACACCGGGATGTGCAAAGCACTC  
 TCTCTCCAGTGACCAACTCTATCAGGTATCCAAGCTGGGAACACTACCGAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201655 protein sequence  
 Red=Cloning site Green=Tags(s)

MLFACALLALLGLATSCSFIVPRSEWRALPSECSSRLGHPVRYVVISHTAGSFCNSPDSCEQQARNVQHY  
 HKNELGWCDVAYNFLIGEDGHVYEGRWNIKGDHTGPIWNPMSIGITFMGNFMDRVPKRALRAALNLL  
 CGVSRGFLRSNYEVKGRDQVSTLSPGDQLYQVIQSWEHYRE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**



**ACCN:** BC005582

**ORF Size:** 546 bp

**OTI Disclaimer:** 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:**

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:** [BC005582](#), [AAH05582](#)

**RefSeq Size:** 713 bp

**RefSeq ORF:** 548 bp

**Locus ID:** 21946

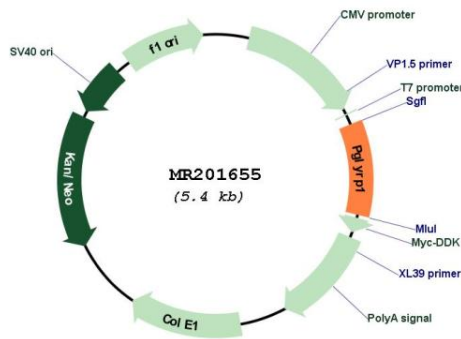
**Cytogenetics:** 7 A3

**MW:** 20.5 kDa

**Gene Summary:**

Pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. Has bactericidal activity towards Gram-positive bacteria. May kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. Binds also to Gram-negative bacteria. Involved in innate immunity. May function in intracellular killing of bacteria. The soluble form triggers apoptosis in vitro.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201655