

Product datasheet for **MG201655**

Pglyrp1 (BC005582) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pglyrp1 (BC005582) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pglyrp1
Synonyms: Pglyrp, PGRP, Tag7, PGRP-S
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201655 representing BC005582
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGTTTGCCTGTGCTCTCCTTGCCCTCCTGGGTCTGGCAACCTCCTGCAGTTTCATCGTGCCCCGCA
 GTGAGTGGAGGGCCCTGCCATCCGAGTGTCTAGCCGCTGGGGCACCCAGTTCGCTACGTGGTATCTC
 ACACACAGCCGGCAGTCTCTGCAACAGCCCGACTCCTGTGAACAGCAGGCCCGCAATGTGCAGCATTAC
 CACAAGAATGAGCTGGGCTGGTGCATGTAGCCTACAACCTCCTTATTGGAGAGGACGGTCATGTCTATG
 AAGCCGAGGCTGGAACATCAAGGGTGACCACACAGGGCCATCTGGAATCCCATGTCTATTGGCATTAC
 CTTTCATGGGAACTTCATGGACCGGTACCCGCAAAGCGGGCCCTCCGTGCTGCCCTAAATCTTCTGGAA
 TGTGGGTGTCTCGGGCTTCTTGTAGATCCAACATGAAGTCAAAGGACACCGGGATGTGCAAAGCACTC
 TCTCTCCAGGTGACCAACTCTATCAGGTATCAAAGCTGGGAACACTACCGAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201655 representing BC005582
 Red=Cloning site Green=Tags(s)

MLFACALLALLGLATSCSFIVPRSEWRALPSECSSRLGHPVRYVVISHTAGSFCNSPDSCEQQARNVQHY
 HKNELGWCDVAYNFLIGEDGHVYEGRWNIKGDHTGPIWNPMSIGITFMGNFMDRVPKRALRAALNLLLE
 CGVSRGFLRSNYEVKGRDQVSTLSPGDQLYQVIQSWEHYRE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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>BC005582</u> , <u>AAH05582</u>
RefSeq Size:	713 bp
RefSeq ORF:	548 bp
Locus ID:	21946
Cytogenetics:	7 A3
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]