

Product datasheet for **RG211040**

PGRPS (PGLYRP1) (NM_005091) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PGRPS (PGLYRP1) (NM_005091) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PGRPS
Synonyms: PGLYRP; PGRP; PGRP-S; PGRPS; TAG7; TNFSF3L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211040 representing NM_005091
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGCCCGCTCTATGCTGCTTGCCTGGGCTCTCCCGAGCCTCCTTCGACTCGGAGCGGCTCAGGAGA
 CAGAAGACCCGGCCTGCTGCAGCCCCATAGTCCCCGGAACGAGTGGAAGGCCCTGGCATCAGAGTGCGC
 CCAGCACCTGAGCCTGCCCTTACGCTATGTGGTGGTATCGCACACGGCGGCAGCAGCTGCAACACCCCC
 GCCTCGTGCCAGCAGCAGGCCCGGAATGTGCAGCACTACCACATGAAGACACTGGGCTGGTGCGACGTGG
 GCTACAACCTTCTGATTGGAGAAGACGGGCTCGTATACGAGGGCCGTGGCTGGAACCTCACGGGTGCCCA
 CTAGGTCACTTATGGAACCCCATGTCCATTGGCATCAGCTTCATGGGCAACTACATGGATCGGGTGCCC
 ACACCCAGGCCATCCGGGCAGCCAGGGTCTACTGGCCTGCGGTGTGGCTCAGGGAGCCCTGAGGTCCA
 ACTATGTGCTCAAAGGACACCGGATGTGCAGCGTACACTCTCTCCAGGCAACCAGCTCTACCACCTCAT
 CCAGAATTGGCCACACTACCGCTCCCCC

A**CGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211040 representing NM_005091
 Red=Cloning site Green=Tags(s)

MSRRSMLLAWALPSLLRLGAAQETEDPACCSPIVPRNEWKALASECAQHLSLPLRYVVVSHTAGSSCNTP
 ASCQQQARNVQHYHMKTLGWCDVGYNFLIGEDGLVYEGRWNFTGAHSGHLWNPMSIGISFMGNMMDRVP
 TPQAIRAAQGLLACGVAQALRSNYVLKGRDVRQRTLSPGNQLYHLIQNWPHYRSP

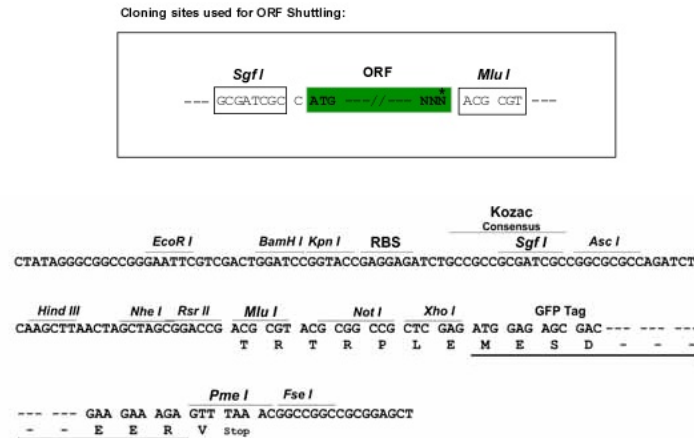
T**R**T**R**P**L**E - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_005091

ORF Size: 588 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_005091.3](#)

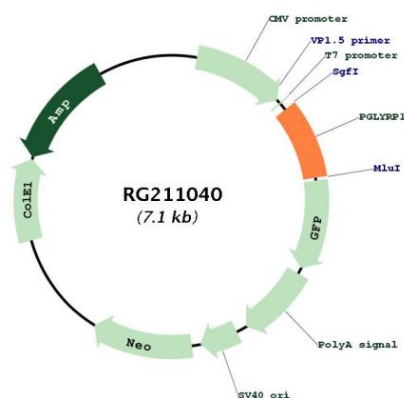
RefSeq Size: 690 bp

RefSeq ORF: 591 bp

Locus ID: 8993

UniProt ID:	<u>O75594</u>
Cytogenetics:	19q13.32
Domains:	Ami_2, PGRP
Protein Families:	Druggable Genome, Secreted Protein
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, and has bacteriostatic activity towards Gram-negative bacteria. Plays a role in innate immunity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211040