

## Product datasheet for **RG224039**

### **PGRP1B (PGLYRP4) (NM\_020393) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PGRP1B (PGLYRP4) (NM_020393) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PGLYRP4
Synonyms:	PGLYRPIbeta; PGRP-Ibeta; PGRPIB; SBBI67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224039 representing NM_020393 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCCGTGGCTTCTGTCTTCTCTGCTCTGGGTATCCAGGCCTGGGGTATTCTCCTGGAACAAA  
CACAAGCTAACAGGTATCAGAGGGCTCCAGTACCTATTTGAGAACATCTCCAGCTCACTGAAAAAGG  
CCTTCCCACAGATGTCTCCACCACGGTCTCTCGCAAGGCATGGGGGCAGAAGCTGTTGGCTGCAGTATT  
CAGCTGACCACGCCAGTGAATGCCTTGTATACACCATGTCCCTGGACTGGAGTGTACGACCAGACAG  
TCTGCAGCCAGAGACTGCGGGAAGTGCAGGCCATCATGTCCACAACAACAGTGGGTGTGATGTGGCCTA  
CAACTTCTGGTTGGGGATGATGGCAGGGTGTATGAAGGTGTTGGCTGGAATATCCAAGGAGTGCACACC  
CAAGGCTACAACAACATCTCCCTGGGCTTTGCCTTCTTCGGCACTAAGAAAGGCCACAGTCCCAGCCCTG  
CTGCCCTGTCCGGCATGGAAAACCTAATCACCTATGCTGTCCAGAAGGGCCACCTGTCCAGTTATGT  
TCAGCCACTTCTTGGAAAGGCGAGAAGTGCCTGGCCCCCGGCAGAAGACAAGCCTGAAGAAGGCTTGC  
CCCGCGTGTCCACGGTCTGTGTGGGGAGCCAGGGAGCCACTGTCCAGGATGACTCTCCAGCGA  
AGTATGGCATCATTATCCACACTGCCGGGAGGACCTGCAACATTTCTGATGAGTGCCGCCTGCTGGTCCG  
GGACATCCAGTCTTTCTACATAGACAGGCTCAAGTATGCGACATTGGTTATAACTTCTGGTGGGCCAG  
GATGGCCGCAATTTATGAAGGGTGGGCTGGAATGTCCAAGGCTCCTCCACCCTGGCTACGATGACATTG  
CCCTGGGCATTACCTTCATGGGCACCTTACAGGTATACCAACCAATGCTGCAGCACTAGAGGCAGCCCA  
AGACCTGATCCAGTGTGCCATGGTCAAAGGTTACCTGACTCCCAACTACCTGCTGGTGGGCCACAGTGT  
GTGGCCGAACCTGTCTCCTGGCAGGCTTTGTACAACATCATCAGCACCTGGCCTCATTTCAAACAC

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG224039 representing NM\_020393  
Red=Cloning site Green=Tags(s)

MLPWLIVFVLSALGIQAWGDSSWNKTQAKQVSEGLQYLFENISQLTEKGLPTDVSTTVSRKAWGAEAVGCSI  
 QLTPVNVLVIIHVPGLGCHDQTVCSQRLRELQAHVHNNNSGCDVAYNFLVGDDGRVYEGVGVNIQGVHT  
 QGYNNISLGFVFFGTTKKGHSPSPAALSAMENLITYAVQKGLSSSYVQPLLKGENCLAPRQKTSLLKAC  
 PGVVPRSVWGARETHCPRMTLPKAYGIIHTAGRTCNISDECRLLVRDIQSFYIDRLKSCDIGYNFLVGQ  
 DGAIEYEGVGVNVQGSSTPGYDDIALGITFMGTFTGIPPNAALAAQDLIQCAMVKGYLTPNYLLVGHSD  
 VARTLSPGQALYNIISTWPHFKH

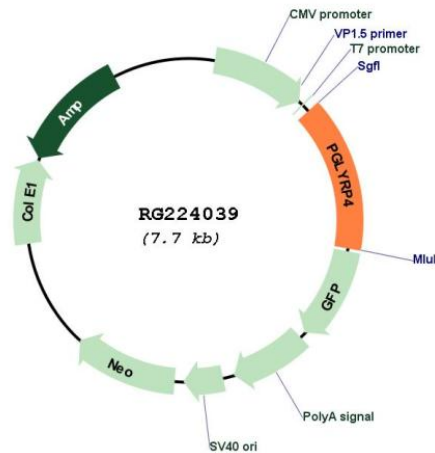
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_020393

<b>ORF Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_020393.2</a> , <a href="#">NP_065126.2</a>
<b>RefSeq Size:</b>	1853 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	57115
<b>UniProt ID:</b>	<a href="#">Q96LB8</a>
<b>Cytogenetics:</b>	1q21.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Summary: This gene encodes a peptidoglycan recognition protein, which belongs to the N-acetylmuramoyl-L-alanine amidase 2 family. These proteins are part of the innate immune system and recognize peptidoglycan, a ubiquitous component of bacterial cell walls. This antimicrobial protein binds to murein peptidoglycans of Gram-positive bacteria. [provided by RefSeq, Oct 2014]