

## Product datasheet for **SC317987**

### **PGRPL (PGLYRP2) (NM\_052890) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PGRPL (PGLYRP2) (NM_052890) Human Untagged Clone
Tag:	Tag Free
Symbol:	PGRPL
Synonyms:	HMFT0141; PGLYRPL; PGRP-L; PGRPL; tagL; tagL-alpha; tagl-beta; TAGL-like
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_052890 edited  
 AAATACCCCTTGGAGCTGGAATCCTGCAACAATGGCCCAGGGTGCCTCTGGATCCTAC  
 TCGGATTGCTACTGTGGTCAGACCCAGGGACAGCCTCCCTGCCCTGCTCATGGACTCTG  
 TCATCCAGGCCCTGGCTGAGCTGGAGCAGAAAGTGCCAGCTGCCAAGACCAGACACACAG  
 CTTCTGCGTGGCTGATGTAGCTCCAACTCTGGCCCCACAATCGCCTCTACCATTCC  
 TGCTGGGGCATGGAGCCTCAATGCTACAGAGTTGGATCCCTGCCACTAAGCCCAGAGC  
 TGTTAGGCCTGACCAAGGAGGTGGCCCCGACATGACGTACGAGAAGGGAAGGAATATGGGG  
 TGGTGTGGCACCTGATGGCTCGACCGTGGCTGTGGAGCCTCTGCTGGCGGGCTGGAGG  
 CAGGGCTGCAAGGGCGCAGGGTCATAAATTTGCCCTTGGACAGCATGGCTGCCCTTGGG  
 AGACTGGAGATACCTTTCCAGATGTTGTGGCCATTGCTCCAGATGTAAGAGCCACCTCCT  
 CCCCAGGACTCAGGGATGGCTCTCCAGATGTCACCACTGCAGATATTGGAGCCAACACTC  
 CAGATGTACAAAAGGCTGTCCAGATGTCCAAGCTTCTTGCAGATGCCAAAGCCAAGT  
 CCCCACCGACCATGGTGGACAGCCTCCTGGCAGTACCCTGGCTGGAACTGGGCTGA  
 CCTTCTCCGAGGTTCCAGACCCAGAGCCATCCAGACCTGGGAACTGAGGGCTGCTGGG  
 ACCAGCTCTGCCCCTCGGACCTTTACGCTTTTGGACCCAAGGCATCTCTGTTAACCA  
 TGGCCTTCTCAATGGCGCCTGGATGGGGTATCCTTGGAGACTACCTGAGCCGGACTC  
 CTGAGCCCCGGCCATCCCTCAGCCACTTGTGAGCCAGTACTATGGGGTGGGGTGGCCA  
 GAGACCCAGGGTTCGCGAGCAACTTCGACGGCAGAACGGTGTGCTCTGACTTCAGCCT  
 CCATCCTGGCCCAGCAGGTGTGGGGAACCTTGTCTTCTACAGAGGCTGGAGCCAGTAC  
 ACCTCCAGCTTCACTGATGATGAGCAAGAACAGCTGGCCCAGGTGGCTGCCAATGTACCA  
 AGGAATCACTGAGGCCTTCTGGGATGCCCGCCATCCACCCCGCTGCCGCTGGGGAG  
 CGGCGCCTTATCGGGCCGCCGAAGCTGCTGCAGCTGCCGCTGGGATTCTTGTACGTGC  
 ATCACCTACGTGCCTGCACCACCTGCACGGACTTCACGCGCTGCGCAGCCAACATGC  
 GCTCCATGCAGCCTACCACAGGACACGCAAGGCTGGGAGACATCGGCTACAGTTTCG  
 TGGTGGGCTCGGACGGTACGTGTACGAGGACGCGGCTGGCACTGGGTGGGCGCCACA  
 CGCTCGGCCACAACCTCCCGGGCTTCGCGGTGGCCATAGTGGGCAACTACCCGCGGCGC  
 TGCCCACCGAGGCGCTCTGCGCACGGTGCAGCACGCTCCCGAGTTGTGCGGTGCGCG  
 CCGGCTCTGCGGCCAGACTACGCGTGTGGGCCACCGCCAGCTGGTGCACCCGACT  
 GCCCGGCGACGCGCTCTCGACCTGTGCGCACCTGGCCGCACTTACCAGGACTGTTA  
 AGCCAAGACTGCCAGGAGTGTCTTAAGAGATCCAGGAGGAGCCACCCCAAGGACCC  
 TGCCAGCCACAGACCTCCAATAAAGACAGCATGGAACAACAAAAAAAAAAAAAAAAAAAA  
 AAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_052890 unedited  
 CACCAGAAATACCCCTTGGAGCTGGAATCCTGCAACAATGGCCCAGGGTGCCTCTGG  
 ATCCTACTCGGATTGCTACTGTGGTCAGACCCAGGGACAGCCTCCCTGCCCTGCTCATG  
 GACTCTGTATCCAGCCCTGGCTGAGCTGGAGCAGAAAGTGCCAGCTGCCAAGACCAGA  
 CACACAGCTTCTGCGTGGCTGATGTAGCTCCAACTCTGGCCCCACAATCGCCTCTAC  
 CACTTCTGCTGGGGCATGGAGCCTCAATGCTACAGAGTTGGATCCCTGCCACTAAGC  
 CCAGAGCTGTTAGGCTGACCAAGGAGGTGGCCGACATGACGTACGAGAAGGGAAGGAA  
 TATGGGGTGGTGTGGCACCTGATGGCTCGACCGTGGCTGTGGAGCCTCTGCTGGCGGG  
 CTGGAGGCAGGGCTGCAAGGGCGCAGGGTCATAAATTTGCCCTTGGACAGCATGGCTGCC  
 CCTTNGAGACTGGAGATACCTTTCCAGATGTTGTGGCCATTGCTCCAGATGTAAGACCC  
 ACCTCCTCCCAGGACTCAGGGATGGCTCTCCAGATGTCACCACTGCAGATATTGGAGCC  
 AACACTCCAGATGCTACAAA

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_052890 unedited TNAAGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTCATGCTGTCTTTATTGG AGGTCTGTGGCTGGCAAGGTCCTTGGGGGTGGCTCCCTCCTGGATCTCTTAAAGACACTC CTGGCAGGTCTTGGCTTAACAGTCGCGGTGAAGTGCAGCCAGGTGCGCAACAAGTCGAAA AGCGCGTCTTTTTTGCAGTCGGTGCACCATCTGGCGGGGGCCCAACAGCGCGTATTCT GGCCGCAAGAAGCCGGCGCGCACCGCACAACTCGGGAGCGTGTGCGCACCGTGCGCAAA GCGGCCTCGGTGGGACGCGCGGTGATTTGCCCACTATGGCCACGCCGAATCCCCGG GAGTTGTGGCCGATCGTGTGGGCGCCACCCAGTGCCAGCCGCGTCCCTCGTACACGTAG CCGTCCGAGCCCACCACGAAACTGTAGCCCATGTCTCCCAGCCTTGCGTGTCTCGGTGG TAGCGCTGCATGGAGCGCATGTTGGCTGCGCAACGCGTGAAGTCCGTGCAGGGTGGTGCA AGCACCTAAGTGTGATGCACGTACAAGAATCCCAACGGCAGTGCAGCAACTTCGGGCGG GCCCCATTAGGGGCGCTCCCAACGCAACGGGGTGGATGGGCGGGCTTCCAGAAAGG CCCCATTGAATCCCTGGCAGCCATGGTGAACCACTCGGGCAAGCTGTTCTTGGTTCT GCCCTGAAACTGGGAGGTTCTTGGCCTCCCCCCTGTGGAAAGAAAAGGGTTCCTCC CCAACCTGTGGGGCCAGGATGGGAGGGTCAAATCCAAAAAACCCTT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_052890
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_052890.3</a> , <a href="#">NP_443122.3</a>
<b>RefSeq Size:</b>	1901 bp
<b>RefSeq ORF:</b>	1731 bp
<b>Locus ID:</b>	114770
<b>UniProt ID:</b>	<a href="#">Q96PD5</a>
<b>Cytogenetics:</b>	19p13.12
<b>Domains:</b>	Ami_2, PGRP
<b>Protein Families:</b>	Druggable Genome, Secreted Protein

**Gene Summary:**

This gene encodes a peptidoglycan recognition protein, which belongs to the N-acetylmuramoyl-L-alanine amidase 2 family. This protein hydrolyzes the link between N-acetylmuramoyl residues and L-amino acid residues in bacterial cell wall glycopeptides, and thus may play a scavenger role by digesting biologically active peptidoglycan into biologically inactive fragments. [provided by RefSeq, Sep 2011]