OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC120165

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:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_052890 edited
AAATACCCCTTGGAAGCTGGAATCCTGCAACAATGGCCCAGGGTGTCCTCTGGATCCTAC
TCGGATTGCTACTGTGGTCAGACCCAGGGACAGCCTCCCTGCCCCTGCTCATGGACTCTG
TCATCCAGGCCCTGGCTGAGCTGGAGCAGAAAGTGCCAGCTGCCAAGACCAGACACACAG
CTTCTGCGTGGCTGATGTCAGCTCCAAACTCTGGCCCCCACAATCGCCTCTACCACTTCC
TGCTGGGGGCATGGAGCCTCAATGCTACAGAGTTGGATCCCTGCCCACTAAGCCCAGAGC
TGTTAGGCCTGACCAAGGAGGTGGCCCGACATGACGTACGAGAAGGGAAGGAATATGGGG
TGGTGCTGGCACCTGATGGCTCGACCGTGGCTGTGGAGCCTCTGCTGGCGGGGCTGGAGG
CAGGGCTGCAAGGGCGCAGGGTCATAAATTTGCCCTTGGACAGCATGGCTGCCCCTTGGG
AGACTGGAGATACCTTTCCAGATGTTGTGGCCATTGCTCCAGATGTAAGAGCCACCTCCT
CCCCAGGACTCAGGGATGGCTCTCCAGATGTCACCACTGCAGATATTGGAGCCAACACTC
CAGATGCTACAAAAGGCTGTCCAGATGTCCAAGCTTCCTTGCCAGATGCCAAAGCCAAGT
CCCCACCGACCATGGTGGACAGCCTCCTGGCAGTCACCCTGGCTGGAAACCTGGGCCTGA
CCTTCCTCCGAGGTTCCCAGACCCAGAGCCATCCAGACCTGGGAACTGAGGGCTGCTGGG
ACCAGCTCTCTGCCCCTCGGACCTTTACGCTTTTGGACCCCAAGGCATCTCTGTTAACCA
TGGCCTTCCTCAATGGCGCCCTGGATGGGGTCATCCTTGGAGACTACCTGAGCCGGACTC
CTGAGCCCCGGCCATCCCTCAGCCACTTGCTGAGCCAGTACTATGGGGCTGGGGTGGCCA
GAGACCCAGGGTTCCGCAGCAACTTCCGACGGCAGAACGGTGCTGCTCTGACTTCAGCCT
CCATCCTGGCCCAGCAGGTGTGGGGAACCCTTGTCCTTCTACAGAGGCTGGAGCCAGTAC
ACCTCCAGCTTCAGTGCATGAGCCAAGAACAGCTGGCCCAGGTGGCTGCCAATGCTACCA
AGGAATTCACTGAGGCCTTCCTGGGATGCCCGGCCATCCACCCCCGCTGCCGCTGGGGAG
CGGCGCCTTATCGGGGCCGCCCGAAGCTGCTGCAGCTGCCGCTGGGATTCTTGTACGTGC
ATCACACCTACGTGCCTGCACCACCCTGCACGGACTTCACGCGCTGCGCAGCCAACATGC
GCTCCATGCAGCGCTACCACCAGGACACGCAAGGCTGGGGAGACATCGGCTACAGTTTCG
TGGTGGGCTCGGACGGCTACGTGTACGAGGGACGCGGCTGGCACTGGGTGGGCGCCCACA
CGCTCGGCCACAACTCCCGGGGCTTCGGCGTGGCCATAGTGGGCAACTACACCGCGGCGC
TGCCCACCGAGGCCGCTCTGCGCACGGTGCGCGACACGCTCCCGAGTTGTGCGGTGCGCG
CCGGCCTCCTGCGGCCAGACTACGCGCTGCTGGGCCACCGCCAGCTGGTGCGCACCGACT
GCCCCGGCGACGCGCTCTTCGACCTGCTGCGCACCTGGCCGCACTTCACCGCGACTGTTA
AGCCAAGACCTGCCAGGAGTGTCTCTAAGAGATCCAGGAGGGAGCCACCCCCAAGGACCC
TGCCAGCCACAGACCTCCAATAAAGACAGCATGGAAACAAAAAAAAAAAAAAAAAAAAAA
AAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_052890 unedited
CACCAGGAAATACCCCTTGGAAGCTGGAATCCTGCAACAATGGCCCAGGGTGTCCTCTGG
ATCCTACTCGGATTGCTACTGTGGTCAGACCCAGGGACAGCCTCCCTGCCCCTGCTCATG
GACTCTGTCATCCAGGCCCTGGCTGAGCTGGAGCAGAAAGTGCCAGCTGCCAAGACCAGA
CACACAGCTTCTGCGTGGCTGATGTCAGCTCCAAACTCTGGCCCCCACAATCGCCTCTAC
CACTTCCTGCTGGGGGCATGGAGCCTCAATGCTACAGAGTTGGATCCCTGCCCACTAAGC
CCAGAGCTGTTAGGCCTGACCAAGGAGGTGGCCCGACATGACGTACGAGAAGGGAAGGAA
TATGGGGTGGTGCTGGCACCTGATGGCTCGACCGTGGCTGTGGAGCCTCTGCTGGCGGGG
CTGGAGGCAGGGCTGCAAGGGCGCAGGGTCATAAATTTGCCCTTGGACAGCATGGCTGCC
CCTTGNGAGACTGGAGATACCTTTCCAGATGTTGTGGCCATTGCTCCAGATGTAAGAGCC
ACCTCCTCCCCAGGACTCAGGGATGGCTCTCCAGATGTCACCACTGCAGATATTGGAGCC
AACACTCCAGATGCTACAAA

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_052890 unedited
TNAAGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTTCCATGCTGTCTTTATTGG
AGGTCTGTGGCTGGCAAGGTCCTTGGGGGTGGCTCCCTCCTGGATCTCTTAAAGACACTC
CTGGCAGGTCTTGGCTTAACAGTCGCGGTGAAGTGCGGCCAGGTGCGCAACAAGTCGAAA
AGCGCGTCTTTTTTGCAGTCGGTGCGCACCATCTGGCGGGGGCCCAACAGCGCGTATTCT
GGCCGCAAGAAGCCGGCGCGCACCGCACAACTCGGGAGCGTGTCGCGCACCGTGCGCAAA
GCGGCCTCGGTGGGCAGCGCCGCGGTGTATTTGCCCACTATGGCCACGCCGAATCCCCGG
GAGTTGTGGCCGATCGTGTGGGCGCCCACCCAGTGCCAGCCGCGTCCCTCGTACACGTAG
CCGTCCGAGCCCACCACGAAACTGTAGCCCATGTCTCCCCAGCCTTGCGTGTCCTGGTGG
TAGCGCTGCATGGAGCGCATGTTGGCTGCGCAACGCGTGAAGTCCGTGCAGGGTGGTGCA
AGCACCTAAGTGTGATGCACGTACAAGAATCCCAACGGCAGCTGCAGCAACTTCGGGCGG
GCCCCATTAGGGGCCGCTCCCCAACGCAACGGGGGTGGATGGGCGGGCCTTCCCAGAAGG
CCCCATTGAATTCCCTGGCAGCCATGGTGAACCACCTCGGGCAAGCTGTTCTTGGGTTCT
GCCCCTGAAACTGGGAGGGTTCCTGGCCTCCCCCCCCTGTGGGAAAGAAAAAGGGTTCCC
CCAACCTGTCTGGGGCCAGGATGGGAGGGTCAAATCCAAAAAAAACCCCCTT
```

Restriction Sites: NotI-NotI

ACCN: NM_052890

Insert Size: 1800 bp

OTI Disclaimer: 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_052890.3.

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: NM_052890.1, NP_443122.1

RefSeq Size: 1794 bp

RefSeq ORF: 1731 bp

Locus ID: 114770

UniProt ID: Q96PD5

Cytogenetics: 19p13.12

Domains: Ami_2, PGRP

Protein Families: 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]