

Product datasheet for **RG215773**

PGRPL (PGLYRP2) (NM_052890) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGRPL (PGLYRP2) (NM_052890) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PGRPL
Synonyms:	HMFT0141; PGLYRPL; PGRP-L; PGRPL; tagL; tagL-alpha; tagL-beta; TAGL-like
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215773 representing NM_052890
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCAGGGTGTCTCTGGATCTACTCGGATTGCTACTGTGGTCAGACCCAGGGACAGCCTCCCTGC
 CCCTGCTCATGGACTCTGTCATCCAGGCCCTGGCTGAGCTGGAGCAGAAAAGTGCCAGCTGCCAAGACCAG
 ACACACAGCTTCTGCGTGGCTGATGTCAGCTCCAACTCTGGCCCCACAATCGCCTCTACCACTTCTCTG
 CTGGGGGCATGGAGCCTCAATGTACAGAGTTGGATCCCTGCCACTAAGCCAGAGCTGTTAGGCCTGA
 CCAAGGAGGTGGCCGACATGACGTACGAGAAGGGAAGGAATAAGGGTGGTGTGGCACCTGATGGCTC
 GACCGTGGCTGTGGAGCCTCTGCTGGCGGGGCTGGAGGCAGGGCTGCAAGGGCGCAGGGTCATAAATTTG
 CCCTTGGACAGCATGGCTGCCCTTGGGAGACTGGAGATACCTTTCCAGATGTTGTGGCCATTGCTCCAG
 ATGTAAGAGCCACCTCTCCAGGACTCAGGGATGGCTCTCCAGATGTCACCACTGCAGATATTGGAGC
 CAACACTCCAGATGCTACAAAAGCTGTCCAGATGTCCAAGCTTCTTCCAGATGCCAAAGCCAAGTCC
 CCACCGACCATGGTGGACAGCCTCTGGCAGTACCCTGGCTGGAAACCTGGGCCTGACCTTCTCCGAG
 GTTCCCAGACCCAGAGCCATCCAGACCTGGGAACCTGAGGGCTGCTGGGACCAGCTCTCTGCCCTCGGAC
 CTTTACGCTTTTGGACCCCAAGGCATCTCTGTTAACCATGGCCTTCTCAATGGCGCCCTGGATGGGGTC
 ATCCTTGGAGACTACCTGAGCCGGACTCCTGAGCCCCGGCCATCCCTCAGCCACTTGTGAGCCAGTACT
 ATGGGGCTGGGGTGGCCAGAGACCCAGGGTCCCGAGCAACTCCGACGGCAGAACGGTGTCTGTCTGAC
 TTCAGCTCCATCCTGGCCAGCAGGTGTGGGGAACCTTGTCTTCTACAGAGGCTGGAGCCAGTACAC
 CTCCAGCTTCAAGTGCATGAGCCAAGAACAGCTGGCCAGGTGGCTGCCAATGCTACCAAGGAATTCAGT
 AGGCCTTCTGGGATGCCCGGCCATCCACCCCGCTGCCGCTGGGAGCGGCGCCTTATCGGGGCGCC
 GAAGCTGCTGCAGCTGCCGCTGGGATTCTGTAGGTGCATCACACCTACGTGCCTGCACCACTGCACG
 GACTTCACGCGCTGCGCAGCCAACATGCCTCCATGCAGCGCTACCACCAGGACACGCAAGGCTGGGGAG
 ACATCGGCTACAGTTTCTGTTGGTGGGCTCGGACGGCTACGTGTACGAGGGACGCGGCTGGCACTGGGTGG
 CGCCACACGCTCGGCCACAACCTCCCGGGGCTTCCGGCTGGCCATAGTGGGCAACTACACCGCGCGCTG
 CCCACCGAGGCGCTCTGCGCACGGTGCAGCACGCTCCCGAGTTGTGCGGTGCGCGCCGGCTCTCTGC
 GGCCAGACTACGCGCTGCTGGGCCACCGCCAGCTGGTGCACCGACTGCCCGGCGACGCGCTCTTCGA
 CCTGCTGCGCACCTGGCCGACTTACCAGGACTGTTAAGCCAAGACCTGCCAGGAGTGTCTCTAAGAGA
 TCCAGGAGGGAGCCACCCCAAGGACCCTGCCAGCCACAGACTCCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215773 representing NM_052890
 Red=Cloning site Green=Tags(s)

MAQGVLLWILLGLLLWSDPGTASLPLLMDSVIQALAELEQKVPAAKTRHTASAWLMSAPNSGPHNRLYHFL
 LGAWSLNATELDPCPLSPELLGLTKEVARHVDVREGKEYGVVLPDGTVAVEPLLAGLEAGLQGRRVINL
 PLDSMAAPWETGDTFPDVVAIAPDV RATSSPGLRDGSPDVTTADIGANTPDATKGC PDVQASLPDAKAKS
 PPTMVDSELLAVTLAGNLGLTFLRGSQTQSHPD LGTEGCWDQLSAPRTFTLLDPKASLLTMAFLNGALDGV
 ILGDYLSRTPEPRPSLSHLLSQYYGAGVARDPGFRSNFRQNGAALTSASILAQQVWGTLLVLLQRLEPVH
 LQLQCMSQEQLAQVAANATKEFTEAFLGCPAIHPRCRWGAAPYRGRPKLLQLPLGFLYVHHTYVPAPPCT
 DFTRCAANMRSMQRYHQDTQGWGDI GYSFVVGSDGYVYEGRGWHVWGAHTLGHNSRFGVAIVGNYTAAL
 PTEAALRTVRDTLPSCAVRAGLLRPDYALLGHRQLVRTDCPGDALFDLLRTWPHFTATVKPRPARSVSKR
 SRREPPRTPATDLQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_052890

ORF Size: 1728 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.

RefSeq: [NM_052890.4](#)

RefSeq Size: 1901 bp

RefSeq ORF: 1731 bp

Locus ID: 114770

UniProt ID: [Q96PD5](#)

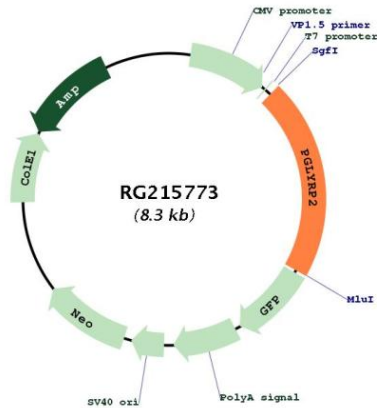
Cytogenetics: 19p13.12

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]

Product images:



Circular map for RG215773