

Product datasheet for **TP315773**

PGRPL (PGLYRP2) (NM_052890) Human Recombinant Protein

Product data:

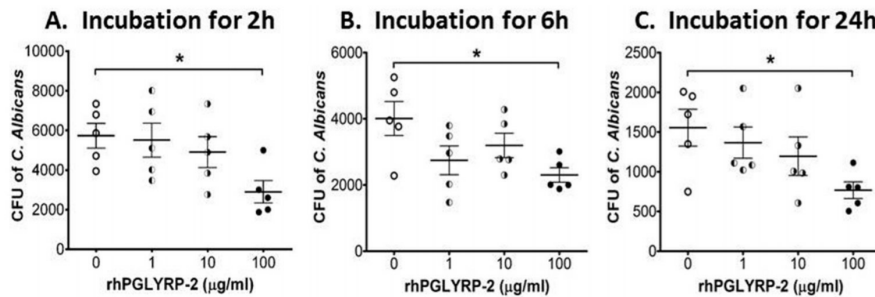
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptidoglycan recognition protein 2 (PGLYRP2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215773 representing NM_052890 Red =Cloning site Green =Tags(s)
	<p>MAQGVLWILLGLLLWSDPGTASLPLLMDSVIQALAELEQKVPAAKTRHTASAWLMSAPNSGPHNRLYHFL LGAWSLNATELDPCLSPELLGLTKEVARHDVREGKEYGVVLAPDGSTVAVEPLLAGLEAGLQGRRVINL PLDSMAAPWETGDTFPDVVAIAPDVRATSSPGLRDGSPDVTADIGANTPDATKGCPCDVQASLPDAKAKS PPTMVDSELLAVTLAGNLGLTFLRGSQTQSHPDLGTEGCWDQLSAPRTFTLLDPKASLLTMAFLNGALDGV ILGDYLSRTPEPRPSLSHLLSQYYGAGVARDPGFRSNFRRQNGAALTSASILAQQVWGTLVLLQRLEPVH LQLQCMSQEQLAQVAANATKEFTEAFLGCPAHPRCRWGAAPYRGRPKLLQLPLGFLYVHHTYVPAPPCT DFTRCAANMRSMQRYHQDTQGWGDIGYSFVVGSDGYVYEGRGWHWVGAHTLGHNSRGGFVAVIGNYT AAL PTEAALRTVRDTLPSCAVRAGLLRPDYALLGHRQLVRTDCPGDALFDLLRTWPHFTATVKPRPARSVSKR SRREPPRPRTLPTDLQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	62 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Cell treatment (PMID: 26039076)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



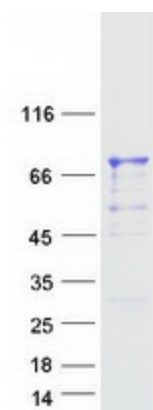
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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_443122
Locus ID:	114770
UniProt ID:	Q96PD5
RefSeq Size:	1901
Cytogenetics:	19p13.12
RefSeq ORF:	1728
Synonyms:	HMFT0141; PGLYRPL; PGRP-L; PGRPL; tagL; tagL-alpha; tagl-beta; TAGL-like
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]
Protein Families:	Druggable Genome, Secreted Protein

Product images:



In vitro antifungal activity of PGLYRP-2. *C. albicans* (10,000 CFU) in 400 µL PBS were incubated without or with PGLYRP-2 (OriGene TP315773) in different concentration (1, 10 or 100 µg/ml) at 37 C for 2, 6, 24 hours. At the end of incubation, the samples were subjected to fungal culture and plate-colony counting. Results were presented as colony-forming units (CFU) of *C. albicans* (mean ± SD) in cultures. Each symbol represents an individual sample, and data are representative of three independent experiments. * p < 0.05. Figure cited from PLoS ONE, PMID: 26039076



Coomassie blue staining of purified PGLYRP2 protein (Cat# TP315773). The protein was produced from HEK293T cells transfected with PGLYRP2 cDNA clone (Cat# [RC215773]) using MegaTran 2.0 (Cat# [TT210002]).