Peptidoglycan Recognition Protein 1 (PGLYRP1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptidoglycan recognition protein 1 (Pglyrp1), Recombinant Protein
Full Product Name	Recombinant Rat Peptidoglycan recognition protein 1 (Pglyrp1)
Product Gene Name	Pglyrp1 recombinant protein
Product Synonym Gene Name	Pglyrp1
Sequence	CCFVVPRSEW KALPSECSKG LKKPVRYVVI SHTAGSFCSS PDSCEQQARN VQLYQMKQLG WCDVAYNFLI GEDGHVYEGR GWTIKGDHTG PIWNPMSIGI TFMGDYSHRV PAKRALRAAL NLLKCGVSEG FLRSNYEVKG HRDVQSTLSP GDQLYEIIQS WDHYRE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	20,591 Da
Sequence Positions	18-183, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9JLN4
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Pglyrp1 recombinant protein	MBS1355194 is a recombinant protein targeting Pglyrp1. Also known as Recombinant Rat Peptidoglycan recognition protein 1 (Pglyrp1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Pglyrp1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pglyrp1. It may not necessarily be applicable to this product.

NCBI GI #	16758104
NCBI GeneID	84387
NCBI Accession #	NP_445825.1
UniProt Primary Accession #	Q9JLN4
UniProt Related Accession #	Q9JLN4
GenBank Nucleotide #	NM_053373.1

NCBI Official Full Name	peptidoglycan recognition protein 1
NCBI Official Synonym Full Names	peptidoglycan recognition protein 1
NCBI Official Symbol	Pglyrp1
NCBI Official Synonym Symbols	Pgrp; Pglyrp
UniProt Protein Name	Peptidoglycan recognition protein 1
UniProt Synonym Protein Names	Peptidoglycan recognition protein short; PGRP-S
Protein Family	Peptidoglycan recognition protein
UniProt Gene Name	Pglyrp1
UniProt Synonym Gene Names	Pglyrp; Pgrp; PGRP-S
NCBI Protein Information	peptidoglycan recognition protein 1
NCBI Summary for Pglyrp1	ubiquitous protein involved in innate immunity; may play a role in homeostatic regulation of sleep [RGD, Feb 2006]
UniProt Comments for Pglyrp1	Pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. Has bactericidal activity towards Gram-positive bacteria. May kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. Binds also to Gram-negative bacteria. Involved in innate immunity. Is microbicidal for Gram-positive and Gram-negative bacteria and yeast. May function in intracellular killing of bacteria ().
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