PGLYRP2/PGRP-L Protein, Human (P.pastoris, His)

Cat. No.:	HY-P71844
Synonyms:	PGLYRPL; PGRPL
Species:	Human
Source:	P. pastoris
Accession:	Q96PD5 (22S-576Q)
Gene ID:	114770
Molecular Weight:	Approximately 72 kDa

PROPERTIES

AA Sequence	S L P L L M D S V I Q A L A E L E Q K V P A A K T R H T A S A W L M S A P N S G P H N R L Y H F L L G A W S L N A T E L D P C P L S P E L L G L T K E V A R H D V R E G K E Y G V V L A P D G S T V A V E P L L A G L E A G L Q G R R V I N L P L D S M A A P W E T G D T F P D V V A I A P D V R A T S S P G L R D G S P D V T T A D I G A N T P D A T K G C P D V Q A S L P D A K A K S P P T M V D S L L A V T L A G N L G L T F L R G S Q T Q S H P D L G T E G C W D Q L S A P R T F T L L D P K A S L L T M A F L N G A L D G V I L G D Y L S R T P E P R P S L S H L L S Q Y Y G A G V A R D P G F R S N F R R Q N G A A L T S A S I L A Q Q V W G T L V L L Q R L E P V H L Q L Q C M S Q E Q L A Q V A A N A T K E F T E A F L G C P A I H P R C R W G A A P Y R G R P K L L Q L P L G F L Y V H H T Y V P A P P C T D F T R C A A N M R S M Q R Y H Q D T Q G W G D I G Y S F V V G S D G Y V Y E G R G W H W V G A H T L G H N S R G F G V A I V G N Y T A A L P T E A A L R T V R D T L P S C A V R A G L L R P D Y A L L G H R Q L V R T D C P G D A L F D L L R T W P H F T A T V K P R P A R S V S K R S R R E P P P R T L P A T D L Q
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HC1, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PGLYRP2/PGRP-L Protein is postulated to function in a scavenger role, potentially contributing to the degradation of biologically active peptidoglycan (PGN) into biologically inactive fragments. Unlike direct bacteriolytic activities, PGLYRP2/PGRP-L seems to be primarily involved in modifying the structure of PGN, possibly as part of the host's defense mechanisms against bacterial infections. The precise molecular pathways through which PGLYRP2/PGRP-L exerts its scavenger function and its implications in immune responses warrant further investigation to unravel its specific contributions to the intricate interplay between host and microbial elements.

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