

## Product datasheet for **TP311040**

### **PGRPS (PGLYRP1) (NM\_005091) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human peptidoglycan recognition protein 1 (PGLYRP1), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC211040 protein sequence

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MSRRSMLLAWALPSLLRLGAAQETEDPACCSPIVPRNEWKALASECAQHLSLPLRYVVVSHTAGSSCNTP  
ASCQQQARNVQHYHMKTLGWCDVGYNFLIGEDGLVYEGRGWNFTGAHSGHLWNPMSIGISFMGNVMDRVP  
TPQAIRAAQGLLACGVAQGALRSNYVLKGRDVRQRTLSPGNQLYHLIQNWPBYRSP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 21.6 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

**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.

**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\\_005082](#)

**Locus ID:** 8993

**UniProt ID:** [O75594](#)

**RefSeq Size:** 972



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Cytogenetics: 19q13.32

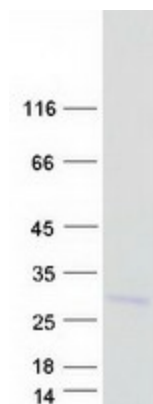
RefSeq ORF: 588

Synonyms: PGLYRP; PGRP; PGRP-S; PGRPS; TAG7; TNFSF3L

**Summary:** 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, and has bacteriostatic activity towards Gram-negative bacteria. Plays a role in innate immunity.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified PGLYRP1 protein (Cat# TP311040). The protein was produced from HEK293T cells transfected with PGLYRP1 cDNA clone (Cat# [RC211040]) using MegaTran 2.0 (Cat# [TT210002]).