

## Product datasheet for **TP310220**

### **PGRP1A (PGLYRP3) (NM\_052891) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human peptidoglycan recognition protein 3 (PGLYRP3), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC210220 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MGTLPWLLAFFILGLQAWDTPPTIVSRKEWGARPLACRALLTLPVAYITDQLPGMQCQQQSVCSQMLRGL  
QSHSVYTIGWCDVAYNFLVGDDGRVYEGVGWNIQGLHTQGYNNISLGIAFFGNKIGSSPSAALSAEGL  
ISYAIQKGHLSPRYIQPLLLKEETCLDPQHPVMPRKVCPNIIKRSARETHC PKMNLPAKYVIIIHTA  
GTSCTVSTDCQTVVRNIQSFHMDTRNFCDIGYHFLVGQDGGVYEGVGVWHIQGSHTYGFNDIALGIAFIGY  
FVEKPPNAAALEAAQDLIQCAWVEGYLTPNYLLMGHSDVWNILSPGQALYNIISTWPHFKH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 35.7 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\\_443123](#)

**Locus ID:** 114771



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UniProt ID: [Q96LB9](#)

RefSeq Size: 1173

Cytogenetics: 1q21.3

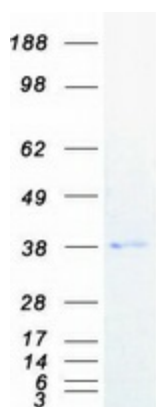
RefSeq ORF: 1023

Synonyms: PGLYRPIalpha; PGRP-Ialpha; PGRPIA

**Summary:** This gene encodes a peptidoglycan recognition protein, which belongs to the N-acetylmuramoyl-L-alanine amidase 2 family. These proteins are part of the innate immune system and recognize peptidoglycan, a ubiquitous component of bacterial cell walls. This antimicrobial protein binds to murein peptidoglycans of Gram-positive bacteria. [provided by RefSeq, Oct 2014]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PGLYRP3 protein (Cat# TP310220). The protein was produced from HEK293T cells transfected with PGLYRP3 cDNA clone (Cat# [RC210220]) using MegaTran 2.0 (Cat# [TT210002]).