# Recombinant Human PPL Protein, His/GST-tagged

**Cat. No.** PPL-727H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human PPL(Glu1439~Gly1716) fused with His/GST tag at N-terminal was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Glu1439~Gly1716 |
| **Description** | The protein encoded by this gene is a component of desmosomes and of the epidermal cornified envelope in keratinocytes. The N-terminal domain of this protein interacts with the plasma membrane and its C-terminus interacts with intermediate filaments. Through its rod domain, this protein forms complexes with envoplakin. This protein may serve as a link between the cornified envelope and desmosomes as well as intermediate filaments. AKT1/PKB, a protein kinase mediating a variety of cell growth and survival signaling processes, is reported to interact with this protein, suggesting a possible role for this protein as a localization signal in AKT1-mediated signaling. |
| **Form** | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| **Molecular Mass** | 64.2kDa |
| **Endotoxin** | <1.0EU per 1μg (determined by the LAL method) |

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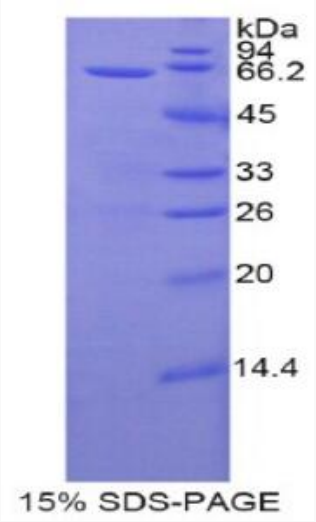
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| **Purity** | > 95% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein. |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Reconstitution** | Reconstitute in PBS or others. |

## GENE INFORMATION

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| **Gene Name** | PPL periplakin [ Homo sapiens ] |
| **Official Symbol** | PPL |
| **Synonyms** | PPL; periplakin; 190 kDa paraneoplastic pemphigus antigen; 195 kDa cornified envelope precursor protein; KIAA0568; MGC134872; |
| **Gene ID** | 5493 |
| **mRNA Refseq** | NM_002705 |
| **Protein Refseq** | NP_002696 |
| **MIM** | 602871 |

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| **UniProt ID** | O60437 |




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