

Recombinant Human PPL Protein, His/GST-tagged

PPL-727H Human

Lot. No. (See product label)

Specification

Product Overview	Recombinant Human PPL(Glu1439~Gly1716) fused with His/GST tag at N-terminal was expressed in E. coli.
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.
Source	E. coli
Species	Human
Tag	His/GST
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	64.2kDa
Protein length	Glu1439~Gly1716
Endotoxin	<1.0EU per 1µg (determined by the LAL method)
Purity	>95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. 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

Gene Name [PPL periplakin \[Homo sapiens \]](#)

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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
UniProt ID	O60437

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