

Recombinant Human PPHLN1, His-tagged

Cat. No. PPHLN1-28673TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 68-293 of Human PPHLN1 isoform 8, with N terminal His tag; 226 amino acids, 33kDa (26kDa predicted from sequence). Gene ID = 51535
Species	Human
Source	E.coli
ProteinLength	68-293 a.a.
Description	The protein encoded by this gene is one of the several proteins that become sequentially incorporated into the cornified cell envelope during the terminal differentiation of keratinocyte at the outer layers of epidermis. This protein interacts with periplakin, which is known as a precursor of the cornified cell envelope. The cellular localization pattern and insolubility of this protein suggest that it may play a role in epithelial differentiation and contribute to epidermal integrity and barrier formation. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.
Conjugation	HIS
Tissue specificity	Ubiquitous.
Form	Liquid

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Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	YKRDNTFFRESPVGRKDSPHSRSGSSVSSRSYSPERSKSY SFHQSQHRNKERP VQSLKTSRDTSPSSGSAVSSSKVLD KPSRLTEKELAEAAASKWAAEKLEKSD ESNLPEI SEYEA GSTAPLFTDQPEEPESNTTHGIELFEDSQLTTRSKAIA SKTKEIEQVYRQDC ETFGMVVKMLIEKDPSLEKSIQFALRQNLHEIGERC VEELKHFI AEYDTSTQDFGEPE

GENE INFORMATION

Gene Name	PPHLN1 periphilin 1 [Homo sapiens]
Official Symbol	PPHLN1
Synonyms	PPHLN1; periphilin 1; periphilin-1;
Gene ID	51535
mRNA Refseq	NM_201515
Protein Refseq	NP_958923
MIM	608150
Uniprot ID	Q8NEY8
Chromosome Location	12q12

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