

Product datasheet for **RC215736**

PPHLN1 (NM_016488) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | PPHLN1 (NM_016488) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PPHLN1 |
| Synonyms: | CR; HSPC206; HSPC232 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC215736 representing NM_016488
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGTCTGAGGACGATATGAATATGAAAGAATTCCGAGAGAACGAGCACCTCCTCGAAGTCATCCCA
 GTGATGGCTACAATAGACTAGTTAATATTGTGCCAAAGAAACCACCTGCTAGACAGACCTGGTGAAGG
 AAGCTACAATAGATATTACAGTCATGTTGATTACCGAGACTATGACGAGGGCCGAGTTTTTCTCATGAT
 CGAAGAAGTGGTCCACCTCACAGAGGAGATGAATCTGGTTATAGATGGACAAGAGACGATCATTCTGCAA
 GCAGGCAACCTGAATACAGGGACATGAGAGATGGCTTTAGAAGAAAAAGTTTCTACTCTTCCATTATGC
 GAGAGAGCGGTCTCCTTATAAAGGGACAATACTTTTTTCAGAGAATCACCTGTTGGCCGAAAGGATTCT
 CCACACAGCAGATCTGGTCCAGTGTGAGTACGAGAAGCTACTCTCCAGAAAGGAGCAAATCATACTCTT
 TCCATCAGTCTCAACATAGAAAGTCCGTGCGTCTGGTGCCTCTACAAACGGCAGAATGAAGGAAATCC
 TGAAAGAGATAAAGAGAGGCCTGTCCAGTCTTTGAAAACATCAAGAGATACTTCACCTCAAGTGGTTCA
 GCAGTTTCTTCATCAAAGGTGTTAGACAAACCCAGTAGGCTAACTGAAAAGGAACTTGCTGAGGCTGCAA
 GCAAGTGGGCTGCTGAAAAGCTAGAGAAATCAGATGAAAGTAACTTGCCTGAAATTTCTGAGTATGAGGC
 GGGATCCACAGCACCACTTGTACTGACCAGCCAGAGGAACCTGAGTCAAACACAACACATGGGATAGAA
 TTATTTGAAGATAGTCAGCTAACCACTCGCTCTAAAGCAATAGCATCAAAAACCAAAGAGATTGAACAGG
 TTTACCGACAAGACTGTGAAACTTTCCGGATGGTGGTGAAGTGCCTGATTGAAAAGATCCTTCATTAGA
 AAAGTCTATACAGTTTGCATTGAGGCAGAAATTTACATGAAATAGAGTCTGCAGGACAGACTTGGCAGCAG
 GTACCCCTGTGAGGAACACTGAAATGGATCACGACGGAACCCCGAAAACGAAGGCGAAGAGACTGCGC
 AGTCAGCCCGCAGCCCGCAGGCCCGCAGCCCTGCAGCCCGGAAGAAACGGGTTCTGTCGGACGAC
 ACAGCTTCGTCCGACGACAGGAGCCCGACAGACTTACCTGGGGGATGCTGAAGAAGACAACCTCAGGAGGCT
 GAGAGGATCCTGCTCCGAACACAGACACCACTTACTCCAGAAAATTTGTTCTTGTATGCTCTCTGTTG
 TACATTGCAACTCAGCAAGGATGTAAGCCAGAAAACAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215736 representing NM_016488
 Red=Cloning site Green=Tags(s)

MWSEGRYEYERIPRERAPPRSHPSDGYNRLVNI VPKKPPLDRPGEYSYNYSHVDYRDYDEGRSFSHD
 RRSPPHRGDESGYRWTRDDHSASRQPEYRDMRDGFRKSFYSSHYARERSPYKRDNTFFRESVGRKDS
 PHSRSGSSVSSRSYSPERSKSYFHSQHRKSVRPGASYKRQNEGNPERDKERPVSQSLKTSRDTSPSSGS
 AVSSSKVLDKPSRLTEKELAEAAASKWAAEKLEKSDESNLPEISEYEAGSTAPLFTDQPEEPESNTTHGIE
 LFEDSQLTTRSKAIASKTKEIEQVYRQDCETFGMVVKMLIEKDPSEKSIQFALRQNLHEIESAGQWQQ
 VPPVRNTEMDHDGTPENEGEETAQSAPQPPQAPQPLQPRKKRVRRTTQLRRTTGAPDITWGLKKTQEA
 ERILLRTQTPFTPENLFLAML SVVHCNSRKDVKPENKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg4796_e07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_016488

ORF Size: 1374 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_016488.7](#)

RefSeq Size: 3483 bp

RefSeq ORF: 1377 bp

Locus ID: 51535

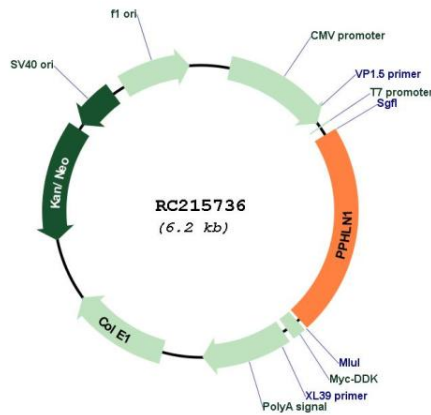
UniProt ID: [Q8NEY8](#)

Cytogenetics: 12q12

MW: 52.6 kDa

Gene Summary: 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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC215736