

Product datasheet for RC227683

PPHLN1 (NM_001143788) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPHLN1 (NM_001143788) 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)
ORF Nucleotide Sequence: >RC227683 representing NM_001143788
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGTCTGAGGGACGATATGAATATGAAAGAATTCGAGAGAACGAGCACCTCCTCGAAGTCATCCCA
GTGATGGCTACAATAGACTAGTTAATATTGTGCCAAAGAAACCACCCTGCTAGACAGACCTGGTGAAGG
AAGCTACAATAGATATTACAGTCATGTTGATTACCGAGACTATGACGAGGGCCGAGTTTTTCTCATGAT
CGAAGAAGTGGTCCACCTCACAGAGGAGATGAATCTGGTTATAGATGGACAAGAGACGATCATTCTGCAA
GCAGGCAACCTGAATACAGGGACATGAGAGATGGCTTTAGAAGAAAAGTTTCTACTCTTCCATTATGC
GAGAGAGCGGTCTCCTTATAAAAGGGACAATACTTTTTTCAGAGAATCACCTGTTGGCCGAAAGGATTCT
CCACACAGCAGATCTGGTTCCAGTGTGAGTAGCAGAAGCTACTCTCCAGAAAGGAGCAAATCATACTCTT
TCCATCAGTCTCAACATAGAAAATAAGAGAGGCCCTGTCCAGTCTTTGAAAACATCAAGAGATACTTCACC
CTCAAGTGGTTCAGCAGTTTCTTCATCAAAGGTGTTAGACAAACCAGTAGGCTAACTGAAAAGGAACTT
GCTGAGGCTGCAAGCAAGTGGCTGTGAAAAGCTAGAGAAAATCAGATGAAAAGTAACTTGCTGAAATTT
CTGAGTATGAGGCGGGATCCACAGCACCATTGTTACTGACCAGCCAGAGGAACCTGAGTCAAACACAAC
ACATGGGATAGAATTATTTGAAGATAGTCAGCTAACCACTCGCTCTAAAGCAATAGCATCAAAAACCAAA
GAGATTGAACAGGTTTACCGACAAGACTGTGAACTTTCCGGATGGTGGTGAAGTCTGATTGAAAAG
ATCCTTCATTAGAAAAGTCTATACAGTTTGCATTGAGGCAGAATTTACATGAAAATAGGTGAGCGGTGTGT
TGAAAGACTCAAGCATTTCATTGCAGAGTATGATACTTCCAAGATTTTGGAGAGCCTTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC227683 representing NM_001143788
 Red=Cloning site Green=Tags(s)

MWSEGRYEYERIPRERAPPRSHPSDGYNRLVNIIVPKKPPLDRPGEGSYNRYSHVDYRDYDEGRSFSHD
 RRSRGGPPHRGDESGYRWRDDHSASRQPEYRDMRDGFRKSFYSSHYARERSPYKRDNTFFRESVGRKDS
 PHSRSGSSVSSRSYSPERSKSYSFHQSQHRNKERPVSQSLKTSRDTSPSSGSAVSSSKVLDPKPSRLTEKEL
 AEAASKWAAEKLEKSDENLPEISEYEAGSTAPLFTDQPEEPESNTTHGIELFEDSQLTTRSKAIASKTK
 EIEQVYRQDCETFGMVVKMLIEKDP SLEKSIQFALRQNLHEIGERCVEELKHFIAEYDTSTQDFGEPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8053_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001143788

ORF Size: 1044 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_001143788.1](#), [NP_001137260.1](#)

RefSeq ORF: 1047 bp

Locus ID: 51535

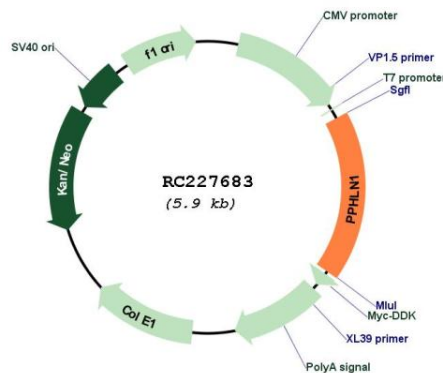
UniProt ID: [Q8NEY8](#)

Cytogenetics: 12q12

MW: 40.1 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 RC227683