

Product datasheet for SC310364

PPHLN1 (NM_016488) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPHLN1 (NM_016488) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPHLN1
Synonyms:	CR; HSPC206; HSPC232
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310364 representing NM_016488. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGTCTGAGGGACGATATGAATATGAAAGAATTCCGAGAGAACGAGCACCTCCTCGAAGTCATCCC
AGTGATGGCTACAATAGACTAGTTAATATTGTGCCAAAGAAACCACCACTGCTAGACAGACCTGGTGAA
GGAAGCTACAATAGATATTACAGTCATGTTGATTACCGAGACTATGACGAGGGCCGAGTTTTTCTCAT
GATCGAAGAAGTGGTCCACCTCACAGAGGAGATGAATCTGGTTATAGATGGACAAGAGACGATCATTCT
GCAAGCAGGCAACCTGAATACAGGGACATGAGAGATGGCTTTAGAAGAAAAGTTTCTACTCTTCCCAT
TATGCGAGAGAGCGGTCTCCTTATAAAAGGGACAATACTTTTTTCAGAGAATCACCTGTTGGCCGAAAG
GATTCTCCACACAGCAGATCTGGTTCAGTGTCAGTAGCAGAAGCTACTCTCCAGAAAGGAGCAAATCA
TACTCTTTCATCAGTCTCAACATAGAAAGTCCGTGCGTCCTGGTGCCTCTACAAACGGCAGAATGAA
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AGTGGTTCAGCAGTTTCTTCATCAAAGGTGTAGACAAACCCAGTAGGCTAACTGAAAAGGAACTTGCT
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CATGGGATAGAATTTTGAAGATAGTCAGCTAACCACTCGCTCTAAAGCAATAGCATCAAAAACCAAAA
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CAGACTTGGCAGCAGGTACCCCTGTGAGGAACACTGAAATGGATCACGACGGAACCCCGAAAACGAA
GGCAAGAGACTGCGCAGTCAAGCCCGCAGCCCGCAGGCCCCGAGCCCTGCAGCCCGGAAGAAA
CGGGTTCGTGGACGACACAGCTTCGTGGACGACAGGAGCCCCAGACATTACCTGGGGATGCTGAAG
AAGACAACCTCAGGAGGCTGAGAGGATCTGCTCCGAACACAGACACCATTCACTCCAGAAAATTTGTTCT
CTTGCTATGCTCTCTGTTGTACATTGCAACTCACGCAAGGATGTAAGCCAGAAAACAAGCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_016488
Insert Size:	1377 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_016488.6
RefSeq Size:	3484 bp
RefSeq ORF:	1377 bp
Locus ID:	51535
UniProt ID:	Q8NEY8
Cytogenetics:	12q12
MW:	52.7 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.