

Product datasheet for **RG215736**

PPHLN1 (NM_016488) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPHLN1 (NM_016488) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPHLN1
Synonyms:	CR; HSPC206; HSPC232
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215736 representing NM_016488
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGTCTGAGGACGATATGAATATGAAAGAATTCGAGAGAACGAGCACCTCCTCGAAGTCATCCCA
 GTGATGGCTACAATAGACTAGTTAATATTGTGCCAAAGAAACCACCTGCTAGACAGACCTGGTGAAGG
 AAGCTACAATAGATATTACAGTCATGTTGATTACCGAGACTATGACGAGGGCCGAGTTTTTCTCATGAT
 CGAAGAAGTGGTCCACCTCACAGAGGAGATGAATCTGGTTATAGATGGACAAGAGACGATCATTCTGCAA
 GCAGGCAACCTGAATACAGGGACATGAGAGATGGCTTTAGAAGAAAAAGTTTCTACTCTTCCATTATGC
 GAGAGAGCGGTCTCCTTATAAAGGGACAATACTTTTTTTCAGAGAATCACCTGTTGGCCGAAAGGATTCT
 CCACACAGCAGATCTGGTCCAGTGTGAGTACGAGAAGCTACTCTCCAGAAAGGAGCAAATCATACTCTT
 TCCATCAGTCTCAACATAGAAAGTCCGTGCGTCTGGTGCCTCCTACAAACGGCAGAATGAAGGAAATCC
 TGAAAGAGATAAAGAGAGGCCTGTCAGTCTTTGAAAACATCAAGAGATACTTCACCTCAAGTGGTTCA
 GCAGTTTCTTCAAAAGGTGTTAGACAAACCCAGTAGGCTAACTGAAAAGGAACCTTGCTGAGGCTGCAA
 GCAAGTGGGCTGCTGAAAAGCTAGAGAAATCAGATGAAAGTAACTTGCCTGAAATTTCTGAGTATGAGGC
 GGGATCCACAGCACCATTTGTTTACTGACCAGCCAGAGGAACCTGAGTCAAACACAACACATGGGATAGAA
 TTATTTGAAGATAGTCAGCTAACCACTCGCTCTAAAGCAATAGCATCAAAAACCAAAGAGATTGAACAGG
 TTTACCGACAAGACTGTGAAACTTTTCGGGATGGTGGTGAAGTGCCTGATTGAAAAGATCCTTCATTAGA
 AAAGTCTATACAGTTTGCATTGAGGCAGAAATTTACATGAAATAGAGTCTGCAGGACAGACTTGGCAGCAG
 GTACCCCTGTGAGGAACACTGAAATGGATCACGACGGAACCCCGAAAACGAAGGCGAAGAGACTGCGC
 AGTCAGCCCCGAGCCCCCGCAGGCCCGCAGCCCTGCAGCCCCGGAAGAAACGGGTTCTGTCGGACGAC
 ACAGCTTCGTGCGGACGACAGGAGCCCCAGACATTACCTGGGGGATGCTGAAGAAGACAACCTCAGGAGGCT
 GAGAGGATCCTGCTCCGAACACAGACACCATTCCTCCAGAAAATTTGTTCTTGTATGCTCTCTGTTG
 TACATTGCAACTCAGCAAGGATGTAAGCCAGAAAACAAGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215736 representing NM_016488
 Red=Cloning site Green=Tags(s)

MWSEGRYEYERIPRERAPPRSHPSDGYNRLVNIIVPKPPLLDRPGEGSYNRYSHVDYRDYDEGRSFSHD
 RRSPPHRRGDESGYRWTRDDHSASRQPEYRDMRDGFRKSFYSSHYARERSPYKRDNTFFRESVGRKDS
 PHSRSGSSVSSRSYSPERSKSYSFHQSHRKSVRPGASYKRQNEGNPERDKERPVSQSLKTSRDTSPSSGS
 AVSSSKVLDKPSRLTEKELAEAAASKWAAEKLEKSDESNLPEISEYEAGSTAPLFTDQPEEPESNTTHGIE
 LFEDSQLTTRSKAIAASKTKEIEQVYRQDCETFGMVVVMLIEKDPSEKSIQFALRQNLHEIESAGQWQQ
 VPPVRNTEMDHDGTPENEGEETAQSAPQPPQAPQPLQPRKKRVRTTQLRRTTGAPDITWGLKKTQEA
 ERILLRTQTPFTPENLFLAMLSVHCNSRKDVKPKENKQ

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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:	<u>NM_016488.7</u>
RefSeq Size:	3483 bp
RefSeq ORF:	1377 bp
Locus ID:	51535
UniProt ID:	<u>Q8NEY8</u>
Cytogenetics:	12q12
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]