

## Product datasheet for **RG219288**

### PPHLN1 (NM\_201439) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | PPHLN1 (NM_201439) 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)  |
| ORF Nucleotide Sequence:  | >RG219288 representing NM_201439<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGTCTGAGGGACGATATGAATATGAAAGAATTCGAGAGAACGAGCACCTCCTCGAAGTCATCCCA  
GTGATGGCTACAATAGACTAGTTAATATTGTGCCAAAGAAACCACCCTGCTAGACAGACCTGGTGAAGG  
AAGCTACAATAGATATTACAGTCATGTTGATTACCGAGACTATGACGAGGGCCGAGTTTTTCTCATGAT  
CGAAGAAGTGGTCCACCTCACAGAGGAGATGAATCTGGTTATAGATGGACAAGAGACGATCATTCTGCAA  
GCAGGCAACCTGAATACAGGGACATGAGAGATGGCTTTAGAAGAAAAGTTTCTACTCTTCCCATTATGC  
GAGAGAGCGGTCTCCTTATAAAGGGACAATACTTTTTTCAGAGAATCACCTGTTGGCCGAAAGGATTCT  
CCACACAGCAGATCTGGTTCCAGTGTGAGTAGCAGAAAGCTACTCTCCAGAAAGGAGCAAATCATACTCTT  
TCCATCAGTCTCAACATAGAAAGTCCGTGCGTCTGGTGCCTCCTACAAACGGCAGAATGAAGGAAATCC  
TGAAAGAGATAAAGAGAGGCCTGTCCAGTCTTTGAAAACATCAAGAGATACTTACCCTCAAGTGGTTCA  
GCAGTTTCTTCAAAAGGTGTTAGACAAACCCAGTAGGCTAACTGAAAAGGAACTTGCTGAGGCTGCAA  
GCAAGTGGGCTGCTGAAAAGCTAGAGAAATCAGATGAAAGTAACTGCTGAAATTTCTGAGTATGAGGC  
GGGATCCACAGCACCATTGTTTACTGACCAGCCAGAGGAACCTGAGTCAAACACAACACATGGGATAGAA  
TTATTTGAAGATAGTCAGCTAACCACTCGCTCTAAAGCAATAGCATCAAAAACCAAGAGATTGAACAGG  
TTTACCGACAAGACTGTGAAACTTCGGGATGGTGGTGAATAATGCTGATTGAAAAAGATCCTTCATTAGA  
AAAGTCTATACAGTTTGCATTGAGGCAGAAATTTACATGAAATAGGTGAGCGGTGTGTTGAAGAACTCAAG  
CATTTTCATTGCAGAGTATGATACTTCCACTCAAGATTTTGGAGAGCCTTTT

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG219288 representing NM\_201439  
Red=Cloning site Green=Tags(s)

MWSEGRYEYERIPRERAPPRSHPSDGYNRLVNIIVPKKPPLDRPGEGSYNRYSHVDYRDYDEGRFSHD  
 RRSGLPPHRGDESGYRWRDDHSASRQPEYRDMRDGFRKSFYSSHYARERSPYKRDNTFFRESPVGRKDS  
 PHSRSGSSVSSRSYSPERSKSYFHSQHRKSVRPGASYKRQNEGNPERDKERPVSQSKTSRDTSPSSGS  
 AVSSSKVLDKPSRLTEKELAEAAASKWAAEKLEKSDSNLPEISEYEAGSTAPLFTDQPEEPESNTTHGIE  
 LFEDSQLTTRSKAIASKTKEIEQVYRQDCETFGMVVKMLIEKDP SLEKSIQFALRQNLHEIGERCVEELK  
 HFIAEYDTSTQDFGEPF

TRTRPLE - GFP Tag - V

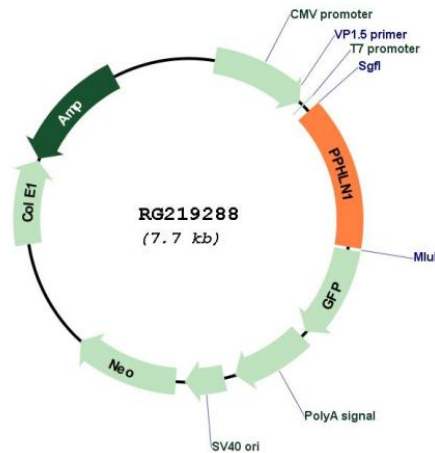
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_201439

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1101 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <a href="#">NM_201439.2</a>   |
| <b>RefSeq Size:</b>           | 1677 bp   |
| <b>RefSeq ORF:</b>            | 1104 bp   |
| <b>Locus ID:</b>              | 51535   |
| <b>UniProt ID:</b>            | <a href="#">Q8NEY8</a>  |
| <b>Cytogenetics:</b>          | 12q12   |
| <b>Gene Summary:</b>          | 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] |