

## Product datasheet for **SC112805**

### PERP (NM\_022121) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PERP (NM_022121) Human Untagged Clone
Tag:	Tag Free
Symbol:	PERP
Synonyms:	dj496H19.1; KCP1; KRTCAP1; PIGPC1; THW
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112805 sequence for NM_022121 edited (data generated by NextGen Sequencing) ATGATCCGCTGCGGCCTGGCCTGCGAGCGCTGCCGCTGGATCCTGCCCTGCTCCTACTC AGCGCCATCGCCTTCGACATCATCGCGCTGGCCGCCGCGCTGGTTGAGTCTAGCGAC CACGGCCAGAGCTCCTCGCTGTGGTGGAAATGCTCCCAAGAGGGCGGCGCAGCGGTCC TACGAGGAGGGCTGTGAGAGCCTCATGGAGTACGCGTGGGGTAGAGCAGCGGCTGCCATG CTCTTCTGTGGCTTCATCATCCTGGTATCTGTTTCATCCTCTCCTTCTTCGCCCTCTGT GGACCCAGATGCTTGTCTTCTGAGAGTGATTGGAGGTCTCCTTGCCTTGGCTGCTGTG TTCCAGATCATCTCCCTGGTAATTTACCCCGTGAAGTACACCCAGACCTTACCCTTCAT GCCAACCGTGCTGTCACTTACATCTATAACTGGGCCTACGGCTTTGGGTGGCAGCCACG ATTATCCTGATCGGCTGTGCCTTCTTCTTCTGCTGCCTCCCAACTACGAAGATGACCTT CTGGGCAATGCCAAGCCCAGTACTTCTACACATCTGCCTAA  Clone variation with respect to NM_022121.4 428 c=>g;492 t=>c



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_022121 unedited</p> <pre>GCTCGGATTTGTAACCGACTTCTATAGGCGGCCACGCCTTCGGCAGGAGGGTCAACATGA TCCGCTGCGGCCTGGCCTGCGAGCGCTGCCGCTGGATCCTGCCCTGCTCCTACTCAGCG CCATCGCCTTCGACATCATCGCGCTGGCCGGCCGGCTGGTTGCAGTCTAGCGACCACG GCCAGACGTCCTCGCTGTGGTGGAAATGCTCCTTGTGGCGGCGGAGCGGGTCTACGA GGAGGGCTGTAGAGCCTCATGGAGTACGCGTGGGGTAGAGCAGCGGCTGCCATGCTCTT CTGTGGCTTCATCATCCTGGTGATCTGTTTCATCCTCTCCTTCTCGCCCTCTGTGGACC CCAGATGCTTGTCTTCTGAGAGTGATTGGAGGTCTCCTTGCCTTGGCTGCTGTGTCCA GATCATCTCCCTGGTAATTTACCCCGTGAAGTACACCCAGACCTTCACCTTCATGCCAA CCGTGCTGTCACTTACATCTATAACTGGGCCTACGGCTTTGGGTGGCAGCCACGATTAT CCTGATCGGCTGTGCCTTCTTCTGCTGCCTCCCAACTACGAAGATGACCTTCTGGG CAATGCCAAGCCAGGACTTCTACACATCTGCCTAACTGGGAATGAATGTGGGAGAAA ATCGCTGCTGCTGAGATGGACTCCAGAAGAAGAACTGTTTCTCCAGGCGACTTTGAACC CATTTTTTGGCAGTGTTCAATATTAACTAGTCAAAAATGCTAAAATAATTTGGGAG AAATATTTTTAAGTAGTGGTATAGTTTACAGGGTATCTTTTATTAAGTTTTGGGAAGTT GGGCCTTTCACCTATTACCTATACTATGCCAATATTCCTTATATCTATCCATACATTATAC TACCTTTGTAGAAAATATGCCCGTGAACCTTAN</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_022121 unedited</p> <pre>GACGCGGCGCTTCTANATCGAGTTTTTTTTTTTTTTTTTTTGAATACTGGTTTATTG GGAAAACCTCATAATGAAAACACAAATAGCTTTTTCCACAACCTACAAAATAAATCT GATATTTAAAATGAATTGGTTTTTATTATGTAAGTCGAAATGGTAAAAAATCATAATGAC CTATCCGATGCATCATATATATGCTATTCAGAGAACTCAAATCCCCGAATTCTCCTGTG GCATGTTTTATATCAGACATTTAAAATCTGTTTACCAAGAAAGACCAGGATTTAACTAT ATGTAAGTTTCTGCTTACAGTTGCAAACTATCAGAAGCCTGTCTATATGATAGAGCCAG ATAAACCTGAGATTTAGAAAAGCAAGTCATTTATTCTCCTGAGGCTGTTTAGTGGCACT TTTGTGACAAGAATGACCCTCCTAATGCTTTACTACACAACCTAACCCAGATCTATCAGTC ATGATAAATTAGACCCAGTCCATCTTTCAATCCAGTCTACTCTGGTTCTGAACATATAAA CACAAAACACTACAGATTTATTAATATAGCATTTCACACCCTAACCCATAAAGAAC TTTAAAAGAGAAAATTTTCATCTAAATATTTCACTTAAAGGAAAGCCTTACCAACTATG GCAACAGGTTTGGACCATGAAATAGTACTTTCTAGATGACATATCGAGTCAACATGAAG CCTTAGCTGAAATGAATGATTCAGGATATTAATGAGAAATTCACAAATGATATGCATT TANGAAATGATTNTGCTTTTCTTAAATAGTCGAAGGCTTGAAAATAACCTTTTTTTGCAT TCTTTAGATGTTGGTCATAACACTTTTACCCTATCTNCTTCTTCTTACCCTTACAGACA GTCCATCTTTTGAANAACAGAN</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_022121
<b>Insert Size:</b>	1850 bp
<b>OTI Disclaimer:</b>	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).
<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_022121.2</a> , <a href="#">NP_071404.2</a>
<b>RefSeq Size:</b>	1941 bp
<b>RefSeq ORF:</b>	582 bp
<b>Locus ID:</b>	64065
<b>UniProt ID:</b>	<a href="#">Q96FX8</a>
<b>Cytogenetics:</b>	6q23.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	p53 signaling pathway
<b>Gene Summary:</b>	Component of intercellular desmosome junctions. Plays a role in stratified epithelial integrity and cell-cell adhesion by promoting desmosome assembly. Plays a role as an effector in the TP53-dependent apoptotic pathway (By similarity).[UniProtKB/Swiss-Prot Function]