

Product datasheet for **SC111264**

Plasmolipin (PLL) (NM_015993) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plasmolipin (PLL) (NM_015993) Human Untagged Clone
Tag:	Tag Free
Symbol:	Plasmolipin
Synonyms:	PMLP; TM4SF11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111264 sequence for NM_015993 edited (data generated by NextGen Sequencing)

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ATGGCCGAGTCCCGTCGAAAGTTAGCACGCGGACCAGCAGTCCCTGCGCAGGGCGCCGAA
GCCTCGGTGTCGGCGCTGCGCCCGACCTGGGCTTCGTGCGCTCCCGCCTCGGGGCGCTC
ATGCTGCTGCAGCTGGTCTGGGCTGCTGGTGTGGGCGCTGATTGCGGACACCCCGTAC
CACCTGTATCCGGCCTATGGCTGGGTGATGTTTCGTGCTGCTTCTCTGGCTGGTGACA
ATCGTCTCTTCAACCTCTACCTGTTTCAGCTGCACATGAAGTTGTACATGGTCCCTGG
CCACTGGTGTTAATGATCTTTAACATCAGCGCCACCGTTCTCTACATCACCGCCTTCATC
GCCTGCTCTGCGGAGTTGACCTGACATCCCTGAGGGGCACCCGGCCTTATAACCAGCGC
GCGGCTGCCTCGTTCCTTGGCTGTTGGTGTGATGATCGCCTATGGAGTGAGTGCCTTCTTC
AGCTACCAGGCCTGGCGAGGAGTAGGCAGCAATGCGGCCACCAGTCAGATGGCTGGCGGC
TATGCCTAA
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Clone variation with respect to NM_015993.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015993 unedited</p> <pre> ACGACTCATATAGGGCGGCCGCAATTCGCACGAGGGGATCCGGAGCCTGGGGNGAAAA GCGGCGCGGGAGCCGGCACCCACCGCTGGAGGGGCGGCGACGGCGGCCGTAGCGACCTCG GGAGGCAAGCGGAGCCGCCATGGCCGAGTTCCTCGAAAGTTAGCACGCGGACCAGCAG TCCTGCGCAGGGCGCCGAAGCCTCGGTGTGGCGCTGCGCCGGACCTGGGCTTCGTGCG CTCCCGCTCGGGGCGCTCATGCTGCTGCAGCTGGTGTGGGGCTGCTGGTGTGGGCGCT GATTGCGGACACCCCGTACCACCTGTATCCGGCCTATGGCTGGGTGATGTTTCGTGCTGT CTTCTCTGGCTGGTGACAATCGTCTTCAACCTCTACCTGTTTCAGCTGCACATGAA GTTGTACATGGTTCCTGGCCACTGGTGTAAATGATCTTTAACATCAGCGCCACCCTTCT CTACATCACCGCCTTCATCGCCTGCTCTGCGGCAGTTGACCTGACATCCCTGAGGGGCAC CCGGCCTTATAACCAGCGCGCGGCTGCCTCGTTCTTTGCGTGTGGTGTGATCGCCTA TGGAGTGAGTGCCCTTCTCAGCTACCAGGCTGGCGAGGGAGTAGGCAGCAATGCGGCC ACCAGTCAGATGGCTGGGCGCTATGCCTAAACCACCTGTGCCACGGCCCCCTCTGGTGT GAACCCCGCGCTGGGTCACGAGCAGGGTACCCTGGCAGCCTTGAGCTGGGGAGCCCTGC GTGGAGTCAGCCACAGGACTGCATTTGCTNCTTTCTGGCCGTAGACATAACTCTCAC ACGCTAAGGAGCAGCCAGCTGGCAGGCTTTCGGCTTGCAAGAAGCCACTGCTGAAACCT TTTTATCCCTTATCANTGGAGATGACGGGGACTGAGGCCTGGGCTTTGCTTGTAAAGA CTTACGGCCAACTGGGCC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015993 unedited</p> <pre> GCGGCCGAATCTAAAATCGAGTTTTTTTTTTTTTTTTTTTTTAAATTTCTCTCATCTTTAT TTTTATTAATAAAAAATAAAACAGTCACCACCAACCACATGACAACCTCGCCAGGCAAGGCC TTGCTTCCCTCCCTCCTTTGCGTCCCATGTGCCTAGACAGCAAGGTCGGGGAGGCACCGA TGTTAGCTTCGCCCAAAGGGAGTATTACAGAGAGAGGCTTGGGAAAGGGAAGGAAACCTG AACAGGCTTTTACCACCTGACAAATCACTTAAAACCTGATTTGCTTTCAGCAACTGGTATG ACTGAAATGCAGGGAGGGGAAAGACCATGTGTCAACAATAAACCCACTTTTTACAGGTTGG CTCCAGGGAGAGGTTGGTTGAAACGGCGTCTAAAGGAAGGAGAGTGGTTCACCACCTTG CTCAACTCTCCTGGAACAAAGACTAAAGGCGCTACGTGCCGCTTGTAGGCCCTATACTA CGGCGGGACTGGGGCTGAAGGACTGGAGAACCTGAAAGTGATTAAAGGCTTGGAGAGAG GGTGGGCCACAACTTGGACGCCGAAACCCTCTAAGACCAGGCCAGACACAGCCTCCAA TCCACCGTCTCTATCACTGAAAAAGGGGGATGGACAAAAGGCCCCCAATGAACAACTA AAAACAAAATACTGACCAAACTGGCCCGCCACTAACGATGTAAAACCCATTGACCAA CGGCCCAAAGGAACAAAGAACAACCTTAAAGAACGAAAAAAAAGGGGCACCCCAAAACA AAATACAAGGGGAACCTCCCTGGCACCCCGCCGATGATACCAATAGGGGCCACCCAC CCACTCCACAGTCTCAAATACACCCTACCTCTCCGCCACTTCTTCACTCAACATTAAC CCCCTCTTAACCACCCGCCCT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015993
Insert Size:	1560 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).
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_015993.1](#), [NP_057077.1](#)

RefSeq Size: 1505 bp

RefSeq ORF: 549 bp

Locus ID: 51090

UniProt ID: [Q9Y342](#)

Cytogenetics: 16q13

Protein Families: Ion Channels: Other, Transmembrane

Gene Summary: Appears to be involved in myelination. Could also participate in ion transport events as addition of plasmolipin to lipid bilayers induces the formation of ion channels, which are voltage-dependent and K(+)-selective (By similarity).[UniProtKB/Swiss-Prot Function]