

Product datasheet for **SC118564**

Paralemmin (PALM) (NM_002579) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Paralemmin (PALM) (NM_002579) Human Untagged Clone
Tag:	Tag Free
Symbol:	Paralemmin
Synonyms:	PALM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002579, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGTCTGGCGGCAGAGACCAGTCCCAGCAGGAGCGGCTGCAGGCCATCGCAGAGAAGCGGAAGC
GGCAGGCGGAGATCGAGAACAAGCGCCGGCAGCTGGAGGACGAGCGGAGGCAGCTGCAGCACCTGAAGTC
CAAGGCACTGCGGGAGCGCTGGCTGCTGGAGGGGACGCCGTCCTCGGCCTCAGAGGGGATGAGGACCTG
AGGAGGCAGATGCAGGACGACGAGCAGAAGACACGGCTGCTGGAGGACTCGGTGTCCAGGTTGGAGAAGG
AAATTGAGGTGCTGGAGCGTGGAGACTCCGCCAGCCACTGCCAAGGAGAACCGGGCGGCCCGAGCCC
AGTCCGGGCCCGAGCCCGAGTCCAGCCAAGGAGGAGCGCAAGACAGAGGTGGTGAATTCACAGCAG
ACGCCGTTGGGCACGCCAAAGACAAGCGAGTCTCCAACAGCCCTGAGGACGTTGACGGCTCCCCCA
TGATGAAGGCAGCCATGTACTCGTTGAGATCACTGTGGAGAAGGACAAGGTGACAGGGGAGACCAGGGT
GCTGTCCAGCACCGCTGCTCCCTCGGCAGCCGCTCCCTCTGGGCATCAAAGTCTACGAGGACGAGACC
AAAGTGGTCCATGCTGTGGACGGCACCGCCGAGAACGGGATCCACCCCTGAGCTCCTCCGAGGTGGACG
AACTCATCCACAAAGCGGACGAGGTCACGCTGAGCGAGGCAGGGTCCACGGCCGGGGCGGCAGAGACCCG
GGGGCTGTGGAGGGGGCAGCCCGACCACGCCCTCCCGCGGGAGATCACCGGTGTGCAGGCACAGCCA
GGCGAGGCCACGTCCGGCCCGCGGGGATCCAGCCCGCCAGGAGCCCGGTACAATGATCTTCATGG
GTTACCAGAACGTGGAGGATGAGGCCGAGACCAAGAAGGTGCTGGGCCTCAAGATACCATCACGGCGGA
GCTGGTGGTCAATCGAAGACCGGCTGAGCCCAAGGAGCCTGCACCACCAACGGCAGTGTGCCGAGCCT
CCACGGAGGCCCTCCAGGGAAGAGAATCAGGCGGGGCCAGGCCACCACCAGCGACCCCGAGGACC
TCGACATGAAGAAGCACCGTTGTAATGCTGCTCCATCATGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002579 unedited
 CAAATTTTGTATACGACTCCTATAGGCGGCCCGGAATTCGCACGAGGGCCCGGCACCGC
 GGACCCACCCGGACCTCGGCGGGGAGATGGAGGTCTGGCGGCAGAGACCACGTCCCAGC
 AGGAGCGGCTGCAGGCCATCGCAGAGAAGCGGAAGCGGCAGGCGGAGATCGAGAACAAGC
 GCCGGCAGCTGGAGGACGAGCGGAGGCAGCTGCAGCACCTGAAGTCCAAGGCACTGCGGG
 AGCGCTGGCTGCTGGAGGGGACCCGTCCTCGGCTCAGAGGGGATGAGGACCTGAGGA
 GGCAGATGCAGGACGACGAGCAGAAGACACGGCTGCTGGAGGACTCGGTGTCCAGGTTGG
 AGAAGGAAATTGAGGTGCTGGAGCGTGGAGACTCCGCCCCAGCCGCTGCCAAGGAGAACG
 CGGCGGCCCGAGCCAGTCCGGGCCAGCCCGAGTCCAGCCAAGGAGGAGCGCAAGA
 CAGAGGTGGTGAATTACAGCAGACGCCGGTGGGCACGCCAAAGACAAGCGAGTCT
 CCAACACGCCCTGAGGACGTTGACGGCTCCCCATGATGAAGGCAGTGGTCCATGCTG
 TGGACGGCACCGCGAGAACGGATCCACCCCTGAGCTCCTCGAGGTGGACGAACTCA
 TCCACAAAGCGGACGAGTACGCTGAGCGAGGCAGGTCACGCGCCGNGCGGCAGAGA
 CCCGGNGGGCTGTGGAGGGGACGCCCGACCACGCCCTCCCGGGGGAGATCACCGGTG
 TGCAGGCACAGCCAGGCGAGGCCAGTCCGGGCCCGCGGGATCCAGCCCGCCAGGACC
 CCCGGGTACATGATCTCATGGTTACCAGAACGTGAGATGAGCCGAACAAGAGGTGCTGG
 CCTTCAGAACATCACGCGAGCTGTGGTATCGAGAGCGCTGACCCAGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002579 unedited
 TCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTGTTCACGCTGTTTATTTGCTTCTCTG
 GAAAAATCAAGAACATCGGGGGCCTCGTCACACACCAGAAGCAGAGGGGTTATAGCAAG
 GGCACCTCAGCGAAGGCTCGCGGCTCGAGGGACTCAGGCAGACTCCAGGGAGGAGAGGG
 GGTTCACGGCTGACGCCAGGTACCCCCGAGAGGGCCTCTCTCCAGCCACCCAGGG
 GCAGAGCGGAGGACAGGCCAGGCTCCATCCGAGGTGGCCCTGTACCTGCCCTGCCG
 AGGCTGCAGGTGGTACTGGACCAGGAGGTGGCCTGAGCACTGGGCACCCAGGCTGGAGGT
 CCCTATGGCAGGGACCAAGTTGGGGCCTGGTTGTCCAAAGCCAACGTGTGAGACGGTGT
 TGTGAGAAATGTGCACGAATGTGCCTCTGGGGACGAGTGTAGTCCCCCAGGAGGGAAGC
 CCCTTGCCACTTCCAATGAGAGGGGGCTGGGGGACAGGCTCACATTGGTCTGGGTGGCAA
 TGAGGGTCTTCTGCTCAACCCAAGAAGCTTCTGTCCCAGGCTGTGTCCCTCCCTCACT
 GCCCGGACGTGCTCAAGCCAGTAAAGCTGGCAAGTGGGGCCTGATCCTCGGTATGGTT
 GGGAAGACCCAGACCCTTGCCCAACCAGGATGGATAATATGCCCGGGGCGCCCTGGGT
 TCCCCAATAACACCCAGAAGAAGGAGGCCAATGGGGGCGGACCTCGGGCAAGGAATGC
 CTACTCGCCCCTGCCCTTGCAGGGGGAAGTCATGACCCCTGTTCCCCCGTCTAAAAAACC
 CAGGGTACCGCCCTCCCGGGGGGATTGTCCCGGTCCCTCCCCAATCCTTTGCCCTG
 GTGGCCACACGCATTGGGCCAAAAGGCTGCTTCCCAAATTTCCCCAAAGGCCGGTC
 ACCAACTCATATGGGGCCGCTGCAGGACCCTAACCTCCTTCGGCGAAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_002579

Insert Size:

2820 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_002579.1](#), [NP_002570.1](#)

RefSeq Size: 2890 bp

RefSeq ORF: 1164 bp

Locus ID: 5064

UniProt ID: [O75781](#)

Cytogenetics: 19p13.3

Domains: Paralemmin

Gene Summary: This gene encodes a member of the paralemmin protein family. The product of this gene is a prenylated and palmitoylated phosphoprotein that associates with the cytoplasmic face of plasma membranes and is implicated in plasma membrane dynamics in neurons and other cell types. Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).