

Product datasheet for **SC116667**

LPP (NM_005578) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPP (NM_005578) Human Untagged Clone
Tag:	Tag Free
Symbol:	LPP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116667 sequence for NM_005578 edited (data generated by NextGen Sequencing)

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ATGTCTCACCCATCTTGGCTGCCACCCAAAAGCACTGGTGAAGCCCTCGGCCATGTGCCT
GCACGGATGGAGACCACCATTCTTTGGGAACCCAGCATTTCAGTGTCTACACAACAG
CCACCCAAAAGTTTGCCTGGTAGTTGCTCCTCAAAACCTAAGTACAACCCATACAAACAA
CCTGGAGGTGAGGGTGATTTTCTCCACCCACCTCCACCTCTAGATGATTCCAGTGCC
CTTCCATCTATCTCTGAAACTTTCCTCCTCCACCACCTTTGATGAAGAGGCTTTCAA
GTACAGGGGAATCCCGGAGGCAAGACACTTGAGGAGAGGCGCTCCAGCCTGGACGCTGAG
ATTGACTCCTTGACCAGCATCTTGGCTGACCTTGAGTGCAGCTCCCCCTATAAGCCTCGG
CCTCCACAGAGCTCCACTGGTTCAACAGCCTCTCCTCCAGTTTCGACCCAGTCACAGGA
CACAAGAGAATGGTCATCCCGAACCAACCCCTTAACAGCAACCAAGAAGTCTACATTG
AAACCACAGCCTGCACCCAGGCTGGACCCATCCCTGTGGCTCCAATCGGAACACTCAA
CCCCAGCCTCAGCAGTCCAGCCTCTACACCAGGCCTCCACTTCTTCAAGGCCTACC
TTTAATGTGCAGGTGAAGTCAGCCAGCCAGCCCTCATTATATGGCTGCCCTTTCATCA
GGACAAATTTATGGCTCAGGGCCCCAGGGCTATAACACTCAGCCAGTTCTGTCTCTGGG
CAGTGTCCACCTCCTTCAACACGGGGAGGCATGGATTATGCCTACATTCCACCACAGGA
CTTCAGCCGGAGCCTGGGTATGGGTATGCCCCCAACCAGGGACGCTATTATGAAGGCTAC
TATGCAGCAGGGCCAGGCTATGGGGCAGAAATGACTCTGATCCTACCTATGGTCAACAA
GGTCACCCAAATACCTGGAAACGGGAACCCAGGGTACACTCCTCCTGGAGCAGGGAACAG
AACCTCCTGGGATGTATCCAGTCACTGGTCCCAAGAAGACCTATATCACAGATCCTGTT
TCAGCCCCCTGTGCGCCACCATTGCAGCCAAAGGGTGGCCATTCAGGGCAACTGGGGCT
TCGTGATGACATGGAAAAATCCACCTGCTGACGAATACTTTGGCCGCTGTGCTCGCTGTGA
GAAAACGTAGTTGGGGAAGGTACAGGATGCACTGCCATGGATCAGGTCTTCCACGTGGAT
TGTTTTACCTGCATCATCTGCAACAACAAGCTCCGAGGGCAGCCATTCTATGCTGTGAA
AAGAAAGCATACTGCGAGCCCTGTACATTAATACTCTGGAGCAGTGCAATGTGTGTTCC
AAGCCCATCATGGAGCGGATTCTCCGAGCCACCGGGAAGGCTATCATCCTCACTGTTTC
ACCTGCGTGATGTGCCACCGCAGCCTGGATGGGATCCCATTCAGTGTGGATGCTGGCGGG
CTCATTCACTGCATTGAGGACTCCACAAGAAATTTGCCCGCGGTGTTCTGTGTGCAAG
GAGCCTATTATGCCAGCCCCGGGCCAGGAGGAGACTGTCCGATTGTGGCTTTGGATCGA
GATTTCCATGTTCACTGCTACCGATGCGAGGATTGCGGTGGTCTCCTGTCTGAAGGAGAT
AACCAAGGCTGCTACCCCTTGGATGGGCACATCCTCTGCAAGACCTGCAACTCTGCCCGC
ATCAGGGTGTGACCCCAAGGGCAGCACTGACCTTTAG
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Clone variation with respect to NM_005578.3
942 c=>t;1605 a=>g

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005578 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCGGCTGCCTCCTCCCTGAGG TGGGAACCTTTGAGGCTCAGAGACAGAGCAGAAGACAGAACCTGGTCTTCTGATTCCTGT GTTCTGCTTTTTTTCATTGTTCCACTGGACGCTCATCAGAGGGAAGATCTTTTTCTCAAT TGATCCAACAATGTCTACCCATCTTGGCTGCCACCCAAAAGCACTGGTGAGCCCCTCG GCCATGTGCCTGCACGGATGGAGACCACCATTCTTTGGGAACCCAGCATTTCAGTGT CTACACAACAGCCACCCAAAAAGTTTGCCCGGTAGTTGCTCCAAAACCTAAGTACAACC CATACAAACAACCTGGAGGTGAGGGTGATTTTCTTCCACCCACCTCCACCTCTAGATG ATTCCAGTGCCCTTCCATCTATCTCTGGAACTTCTCTCCTCCACCACCTCTTGATGAAG AGGCTTTCAAAGTACAGGGGAATCCCGGAGGCAAGACACTTGAGGAGAGGCGCTCCAGCC TGGACGCTGAGATTGACTCCTTGACCAGCATCTTGGCTGACCTTGAGTGCAGCTCCCCCT ATAAGCCTCGGCCTCCACAGAGCTCCACTGTTCAACAGCCTCTCCTCAGTTTCGACCC CAGTCACAGGACACAAGAGAATGGTCATCCCCGACCAACCCCTCTAACAGNACCAAGA AGTCTACATTGAAACCACAGCCTGCACCCAGCTGGACCCATCCCTGTGGGCTCCATCG AACACTCANACCCACCTCAGCCAGTCCCAGCCTTCTACACCACGNCTNCACTTCTTTC AGGCCTACCCTTTATGTGCAGGTGAAGTCAAGCCAGCCACCCCTATTATATGGCTGCC CTTTCATCAGACAATTATGGCTCAGGCCCCAGGCTATACACTCACCAGTCTGCTCTGGGCN
Restriction Sites:	NotI-NotI
ACCN:	NM_005578
Insert Size:	3900 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:	<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:	NM_005578.2 , NP_005569.1
RefSeq Size:	7259 bp
RefSeq ORF:	1839 bp
Locus ID:	4026
UniProt ID:	Q93052
Cytogenetics:	3q27.3-q28
Domains:	LIM

Gene Summary:

This gene encodes a member of a subfamily of LIM domain proteins that are characterized by an N-terminal proline-rich region and three C-terminal LIM domains. The encoded protein localizes to the cell periphery in focal adhesions and may be involved in cell-cell adhesion and cell motility. This protein also shuttles through the nucleus and may function as a transcriptional co-activator. This gene is located at the junction of certain disease-related chromosomal translocations, which result in the expression of chimeric proteins that may promote tumor growth. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Both variants 1 and 2 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.