

Product datasheet for **SC110940**

SLP76 (LCP2) (NM_005565) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLP76 (LCP2) (NM_005565) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLP76
Synonyms:	IMD81; SLP-76; SLP76
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 SC110940 sequence for NM_005565 edited (data generated by NextGen Sequencing)

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ATGGCACTGAGGAATGTGCCCTTTCGCTCAGAGGTCTGGGCTGGGACCCCGACAGCCTT
GCTGACTATTTCAAGAAGCTCAACTATAAGGACTGTGAGAAGGCAGTGAAGAAGTACCAC
ATCGATGGGGCTCGCTTCTTGAACCTGACAGAAAATGACATCCAGAAGTCCCAAGCTC
CGGGTGCCGATTCTCAGTAAGTTAAGTCAGGAAATCAACAAGAACGAAGAGAGGAGGAGC
ATCTTTCACACGCAAACCCCAAGTCCCGCGTTTCTGAAGAGACAGAAAGCCACGAAGAG
GACAAATGGGGGCTGGTCTGCTTTGAAGAAGACGATTATGAAAGTCCCAATGATGACCAG
GATGGGGAGGATGATGGAGACTATGAGTCCCCCAATGAGGAGGAAGAGGCACCCGTGGAA
GATGACGCGGATTATGAGCCGCCACCCTCCAATGACGAGGAAGCTCTGCAGAACTCCATC
CTGCTGCCAAGCCTTCCCAACTCCAATGTACATCGACCGGCCCTCTGGG
AAAACCCCGCAGCAGCCTCTGTGCCCGCCAGAGACCGATGGCCGCCCTCCCGCCCCA
CCAGCCGCGCGGAATCACTCGCCACTGCCCCACCCAGACCAACCACGAAGAACCAGC
AGAAGCAGAAACCACAAAACGGCAAAGTCCCTGCTCCTTCAATAGACAGAAGCAGGAAA
CCTCCTTAGATCGTTCATTAGCTCCGTTTGTAGAGAACCCTTCACTAGGAAAGAAA
CCACCATTTTCTGACAAGCCCTCGATTCCAGCGGGAAGGTCACTCGGGGAGCATTACCC
AAGATTCAAAGCCTCCTTACCACCGACCACGAAAGACATGAAAGGAGCAGCCCTG
CCAGGGAAGAAGCCACCTGTGCCAAAGCATGGATGGGGACCAGACAGAAGAGAGAATGAT
GAAGATGATGTGCATCAGAGACCTTTGCCCCAGCCAGCACTACTTCTATGAGCTCCAAC
ACTTCCCTTCAAGATCTACTAAGCCAAGTCCCATGAACCCTCTCCCATCCTCTCACATG
CCTGGAGCATTCTCAGAAAGTAACAGCAGTTTTCCACAGAGTGCCTCCCTGCCACCATA
TTCTCTCAAGCCCTAGCAACAGACCACCTATCAGAGCCGAAGGCAGAACTTCCCTTG
CCACTTCAAACAAACCTCGGCCCCATCCCCCGCGGAGGAAGAGAATTCAATAAATGAA
GAGTGGTACGTTTCTTATATTACCCGACCAGAGGCAGAAGCTGCTTTAGAAAGATAAAC
CAGGATGGCACATTTCTGGTCAGAGACGCTCTAAAAAACAACAACCAATCCATATGTC
CTCATGGTGTGTACAAAGATAAAGTTTACAACATCCAGATCCGTTATCAGAAGGAAAGT
CAAGTTTACTTGTGGAACTGGACTCCGAGGGAAGAGGACTTCTGTCTGTGTGAGAT
ATTATTGACTACTTCAGGAAAATGCCACTTCTGCTCATTGATGGGAAAAACCGAGTTCC
AGATACCAGTGACATTAACGCATGCTGCAGGGTACCCATAG
    
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Clone variation with respect to NM_005565.3
726 c=>t

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005565 unedited
GGGTGCACATTAGGNATACGATTCTATAGCGGCCCGCGAATTCGCACGAGAAAACCTCG
GCTCCAACAGGGGTGTTCCACAGGGTAGCTGGGAGTTGGAAGAGCCAAGAACGCCTCCGA
GCTCTGGATTTGAGCTTCTCTGCCATGGGTGAAGCGCCCATGCTCAGCTTGTGAGCTTC
TTCCCGGAGAGCAGCCATGGCACTGAGGAATGTGCCCTTTCGCTCAGAGGTCTGGGCT
GGGACCCCGACAGCCTTCTGCTGACTATTTCAAGAAGCTCAACTATAAGGACTGTGAGAAGG
CAGTGAAGAAGTACCACATCGATGGGGCTCGCTTCTTGAACCTGACAGAAAATGACATCC
AGAAGTCCCAAGCTCCGGGTGCCGATTCTCAGTAAGTTAAGTCAGGAAATCAACAAGA
ACGAAGAGAGGAGGAGCATTTTACACGCAAACCCCAAGTCCCGCGGTTTCTGAAGAGA
CAGAAAGCCACGAAGAGGACAATGGGGGCTGGTCGTCCTTTGAAGAAGACGATTATGAAA
GTCCCAATGATGACCAGGATGGGGAGGATGATGGAGACTATGAGTCCCCCAATGAGGAGG
AAGAGGCACCCGTGGAAGATGACGCGGATTATGACCCGCCACCCTCCAATGACCAGGAAG
CTCTGCAGAACTCCATCCTGCCTGCCAAGCCTTCCCAACTTCAACTCCATGTCCATTC
GACCGGCCCTCTTGGGAAAACCCCAAAAGCCTCTCTGCGCCCCACCCACAGACCC
GAGGGCCCGCCCTCCCCCCCCACCATCCGGCCGGAAAACACTCGGCCCTTGCCTCCAC
TCCCATCCACCCACGAACAATCCCCCTCCAACATCAACCCCAACGCGTCAGCCCCCT
CGCCCTTCACTCCTCACAATCCCCCG
    
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3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005565 unedited GCGGCCGCTTTCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTTAAAGCAAAAACTATTTTAA TCCCAGAAGTTATCTCAACATGCATTTGTCTTTTCATAAAAAAATTACGTAAAAATCCCC CCAGGAAAAAATACTAAATAAGAGTGAAATTATTTTTGAAGCCTCTTAAATTATTGCT GCTGAGAAAACGAGGTTTAGTGATTTTCAAATTACATGTATAAACTAATGAATGCCTCT GACTGACAGAGGTTTGGCTGTAAAAACAATCAGTTTTATGTGACACCAATAACTATTA CTGTTTCAGTGTTTTAAACTTGCCCCAAATTGTTTCTGTAGCTGTGTAACACTGTAT TTTGAAATGGGCATTAATAATCTTTTAAAAAATGAATTATTACAGTGCACTACTAGACT TCAAGTGTGAACATGACTCATGCACTTTACAAACATTGAAGAAGATTAATAAATTATGG GATAGTCGACAGTCTTCATTTCAAACACTGTTTTTAAAGGAAAGGATAAAACCCTGTGT TCATGGGGAGGGTTCAGTTCATTCTAAGTGTGTCCATTGACCAAAGCTGATGGATC TCGTGTCGGCAACAGAGGCAGGAGGACGGTTCATTTGCTCGGCTAAACTGTATGGGTA CCCTGCATCACGCGTCATTGTGCCCTGGTATTCGGGAACCTCGGGTGTCCCTTATAGA TCAAAAGTGGCCTTTTCTGAATCTGGCATTATTTCTGACCCAGACAAAACTCTTCTTC TTTGTATCCACTCGCAATATCTAACCTGTCTTCTCTTAAACCGATCTTTATGCTTATT CCTTATTTTCTCCCTCCCGTAGGCATTGTTCCGTCGCCCTCTTACACTCTCCTCCCTA TATCGCCTCTCTCGACCTTCTAATATCCAATTCTCTCGACGCTCTTATGTACATTCCT TTCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005565
Insert Size:	2390 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. More info</p>
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_005565.3 , NP_005556.1

RefSeq Size:	2472 bp
RefSeq ORF:	1602 bp
Locus ID:	3937
UniProt ID:	Q13094
Cytogenetics:	5q35.1
Domains:	SH2, SAM
Protein Pathways:	Fc epsilon RI signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway
Gene Summary:	This gene encodes an adapter protein that acts as a substrate of the T cell antigen receptor (TCR)-activated protein tyrosine kinase pathway. The encoded protein associates with growth factor receptor bound protein 2, and is thought to play a role TCR-mediated intracellular signal transduction. A similar protein in mouse plays a role in normal T-cell development and activation. Mice lacking this gene show subcutaneous and intraperitoneal fetal hemorrhaging, dysfunctional platelets and impaired viability. [provided by RefSeq, Nov 2016]