

## Product datasheet for **SC118204**

### SLPI (NM\_003064) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLPI (NM\_003064) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SLPI  
**Synonyms:** ALK1; ALP; BLPI; HUSI; HUSI-I; MPI; WAP4; WFDC4  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_003064 edited  
 ATGAAGTCCAGCGCCTCTTCCCCTTCTGGTGCTGCTTGCCTGGAACTCTGGCACCT  
 TGGGCTGTGGAAGGCTCTGGAAAGTCCTTCAAAGCTGGAGTCTGTCTCCTAAGAAATCT  
 GCCCAGTGCCTTAGATACAAGAAACCTGAGTGCCAGAGTACTGGCAGTGTCCAGGGAAG  
 AAGAGATGTTGCTGACACTTGTGGCATCAAATGCCCTGGATCCTGTTGACACCCCAAAC  
 CCAACAAGGAGGAAGCCTGGAAAGTGCCCAGTACTTATGGCCAATGTTTGATGCTTAAC  
 CCCCCAATTTCTGTGAGATGGATGGCCAGTGCAAGCGTACTTGAAGTGTTCATGGGC  
 ATGTGTGGGAAATCCTGCGTTTTCCCCTGTGAAAGCTTGA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_003064 unedited  
 CGCGAATTCGGCACGAGCTTACCATGAAGTCCAGCGCCTCTTCCCCTTCTGGTGCTG  
 CTTGCCCTGGAACTCTGGCACCTTGGGCTGTGGAAGGCTCTGGAAAGTCCTTCAAAGC  
 TGGAGTCTGTCTCCTAAGAAATCTGCCCAGTGCCTTAGATACAAGAAACCTGAGTGCCA  
 GAGTACTGGCAGTGTCCAGGGAAGAAGAGATGTTGCTGACACTTGTGGCATCAAATG  
 CCTGGATCCTGTTGACACCCCAAACCAACAAGGAGGAAGCCTTGGAAAGTGCCCAGTGA  
 CTTATGGCCAATGTTTGATGCTTAACCCCCCAATTTCTGTGAGATGGATGGCCAGTGA  
 AGCGTNCCTTGAAGTGTTCATGGGCATGTGTGGGAAATCCTGCGTTTTCCCCTGTGAAAG  
 CTTGATTCTGCCATATGGAGGAGTTCTGGAGTCTGCTTTGTGTGGTCCANGTCCTT  
 TCACCCTGAGACTTGGCTCCACCACTGATATCCTCCTTTGGGGAAAGGCTTGGCACACA  
 GCANGCTTTCAAGAAAGTCCAGTTGATCAATGAATAAATAAACGAGCCTATTTTCTCTTT  
 GCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGTCTGACT



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|                                     |  |
|-------------------------------------|--|
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_003064 unedited<br/>           TTTTTTTTTTGCAAAAAAAAAATAGGCTCGTTTTATTTATTTCATTGATCAACTGGCACTTC<br/>           TTGAAAGCCTGCTGTGTGCCAAGCCTTTCCCAAAGGAGGATATCAGGGGGGACCCAAG<br/>           TCTCAGGGGGAAAGGACCTGGACCACACAGAGCAGGACTCCAAAGCCTCCTCCATATGG<br/>           CAGGAATCAAGCTTTCACAGGGGAAACGCAGGATTTCCACACATGCCCATGCAACACTT<br/>           CAAGTCACGCTTGCACTGGCCATCCATCTACAAAATGTGGGGGGTTAAGCATCAACAT<br/>           TGGCCATAAGTCACTGGGCACTTCCCAGGCTTCTCCTTGTGGGGTTGTGGGGGTGTC<br/>           CAGGATCCAGGCATTTGATGCCACAAGGTCAGGACAACATCTTTTCTTCCCTGGACACT<br/>           GCCAGTCACTCTGGCACTCAGGTTTCTGTATCTAAGGCACTGGGCAATTTCTTAGGAG<br/>           GACAACTCCAGCTTTGAAGGACTTTCCAAAGCCTTCCACAGCCAAGGTGCCAGAGTTC<br/>           CCAGGGCAAGCACCACCAAGAAGGGGGAAGAGGCCGCTGGACTTCATGGTGAAACTCGTG<br/>           CCGAATTCGCGGCCGCCCTTATAGGAGTCGTATTACAAAATTCTGGACGGGTTAACTAAA<br/>           CGAGCTCTGCTTATAGAACCTCCACCGTACACGCCTACCGCCATTTGCGTCACGGGG<br/>           GCGGGGGTAAATACAAAATTTGGAAAAGCCCGTGGTTTTTTGGGGGCCAAACAACTCC<br/>           CCTTTGACGGAAGGGGGGGGAAAATGGAAAAACCCCGGAGTCAAACCCCTTCCACCG<br/>           CCCTTTGGTGGCCCGCGCAAACCCGTTACCTGGGGATAACGAAGACTATAACCGGAAAG<br/>           GCCTGCCA</p> |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_003064  |
| <b>Insert Size:</b>                 | 660 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_003064.2</a> , <a href="#">NP_003055.1</a>  |
| <b>RefSeq Size:</b>                 | 598 bp   |
| <b>RefSeq ORF:</b>                  | 399 bp   |
| <b>Locus ID:</b>                    | 6590   |
| <b>UniProt ID:</b>                  | <a href="#">P03973</a>   |
| <b>Cytogenetics:</b>                | 20q13.12   |
| <b>Domains:</b>                     | WAP  |
| <b>Protein Families:</b>            | Secreted Protein   |

**Gene Summary:**

This gene encodes a secreted inhibitor which protects epithelial tissues from serine proteases. It is found in various secretions including seminal plasma, cervical mucus, and bronchial secretions, and has affinity for trypsin, leukocyte elastase, and cathepsin G. Its inhibitory effect contributes to the immune response by protecting epithelial surfaces from attack by endogenous proteolytic enzymes. This antimicrobial protein has antibacterial, antifungal and antiviral activity. [provided by RefSeq, Nov 2014]