

Product datasheet for **MC201386**

Slpi (NM_011414) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slpi (NM_011414) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slpi
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC028509 sequence for NM_011414 GCTTCTGTCATTTTCAGTCTCAGGTGGTTACTCTGATGGCCTCATGGTCTGCCTGAAACAGAAAGTCT GCCACCTACTTCTGTAGCAGCAAGACTCCTGTTCTGTGGCTAAGCTTCTGCCTGTGCAAGAGCCACAGG GAGGGGCCAAATGCATGCCACTGGGGCCACGCCTCCTGGTAAAGACATAAATAGTGATCCTCGGGACTGG TCATCAGAGCTCCCCTGCCTTACCATGAAGTCTGCGGCCTTTTACCTTTCACGGTGCTCCTTGCTCTG GGGATCCTGGCACCCTGGACTGTGGAAGGAGGCCAAAAATGATGCTATCAAAATCGGAGCCTGCCCTGCTA AAAAGCCTGCCAGTGCCTTAAGCTTGAGAAGCCACAATGCCGTACTGACTGGGAGTGCCCGGAAAGCA GAGGTGCTGCCAAGATGCTTGCAGTCCCAAGTGCCTGAATCCTGTTCCCATTCGCAAAACAGTGTGGAGG AAGCCTGGGAGGTGCGTCAAACTCAGGCAAGATGTATGATGCTTAAACCTCCCAATGTCTGCCAGAGGG ACGGGCAGTGTGACGGCAAATACAAGTCTGTGAGGGTATATGTGGAAAGTCTGCCTGCCCCCGATGTG AGCCTGATCCCTGACATTGGCGCCGGCTCTGGACTCGTGCTCGGTGTGCTCTGAAACTACTTCCCTGCT CCCAGGCGTCCCTGCTCCGGTTCCATGGCTCCCGGCTCCCTGTATCCCAGGCTTGGATCCTGTGGACCA GGGTTACTGTTTTACCACTAACATCTCCTTTTGGCTCAGCATTACCGATCTTTAGGAAATGCTGTTGG AGAGCAAATAAATAAACGCATTCATTTCTCTATGCAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	EcoRI-NotI
ACCN:	NM_011414
Insert Size:	396 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).



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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: [BC028509](#), [AAH28509](#)

RefSeq Size: 894 bp

RefSeq ORF: 396 bp

Locus ID: 20568

UniProt ID: [P97430](#)

Cytogenetics: 2 H3

Gene Summary: Acid-stable proteinase inhibitor with strong affinities for trypsin, chymotrypsin, elastase, and cathepsin G (PubMed:9126337). Modulates the innate immune response after bacterial infection (PubMed:12615907). Contributes to regulate the inflammatory and immune responses to the intracellular parasite *L.major* (PubMed:25030421). Down-regulates responses to bacterial lipopolysaccharide (LPS) (PubMed:9039268, PubMed:12615907, PubMed:25030421). Plays a role in regulating the activation of NF-kappa-B and inflammatory responses (PubMed:11017147, PubMed:12615907). Has antimicrobial activity against mycobacteria, but not against salmonella (PubMed:18322212). Contributes to normal resistance against infection by *M.tuberculosis* (PubMed:18322212). Required for normal resistance to *L.major* (PubMed:25030421). Required for normal wound healing, probably by preventing tissue damage by limiting protease activity (PubMed:11017147, PubMed:25030421). Together with ELANE, required for normal differentiation and proliferation of bone marrow myeloid cells (By similarity).[UniProtKB/Swiss-Prot Function]