

## Product datasheet for **MR200750**

### Slpi (NM\_011414) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Slpi (NM\_011414) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Slpi  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >MR200750 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTCCTGCGGCCTTTACCTTTACGGTGCTCCTTGCTCTGGGGATCCTGGCACCCCTGGACTGTGG  
AAGGAGGCAAAAATGATGCTATCAAAATCGGAGCCTGCCTGCTAAAAAGCCTGCCAGTGCCCTAAGCT  
TGAGAAGCCACAATGCCGTAAGTACTGACTGGGAGTGCCCGGAAAGCAGAGGTGCTGCCAAGATGCTTGCGGT  
TCCAAGTGCCTGAATCCTGTTCCCATTCGCAAACCAAGTGTGGAGGAAGCCTGGGAGGTGCGTCAAAACTC  
AGGCAAGATGTATGATGCTTAACCCTCCCAATGTCTGCCAGAGGGACGGGCAGTGTGACGGCAAAATACAA  
GTGCTGTGAGGGTATATGTGGGAAAGTCTGCCTGCCCCCGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200750 protein sequence  
Red=Cloning site Green=Tags(s)

MKSCGLLPFTVLLALGILAPWTVGGKNDIAIKIGACPAKKPAQCLKLEKPCRTDWECPGKQRCCQDACG  
SKCVNPVPIRKPVWRKPGRCVKTQARCMMLNPPNVCQRDQCDGKYKCEGICGKVCCLPPM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



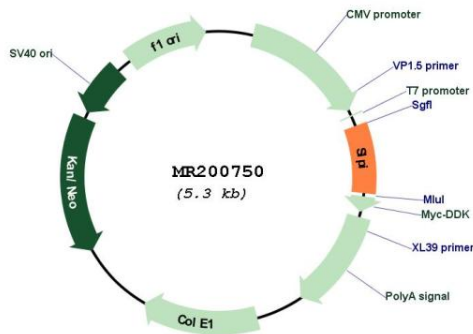
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**Locus ID:** 20568  
**UniProt ID:** [P97430](#)  
**Cytogenetics:** 2 H3  
**MW:** 14.3 kDa

**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]

### Product images:



Circular map for MR200750