

# Product datasheet for MR200750

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

### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

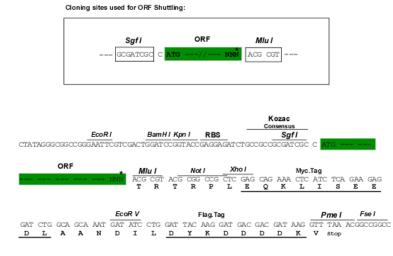
Product Type:	Expression Plasmids
Product Name:	Slpi (NM_011414) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slpi
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR200750 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGAAGTCCTGCGGCCTTTTACCTTTCACGGTGCTCCTTGCTCTGGGGATCCTGGCACCCTGGACTGTGG AAGGAGGCAAAAATGATGCTATCAAAATCGGAGCCTGCCCTGCTAAAAAGCCTGCCCAGTGCCTTAAGCT TGAGAAGCCACAATGCCGTACTGACTGGGAGTGCCCGGGAAAGCAGAGGGTGCTGCCAAGATGCTTGCGGT TCCAAGTGCGTGAATCCTGTTCCCATTCGCAAACCAGTGTGGAGGAAGCCTGGGAGGTGCGTCAAAACTC AGGCAAGATGTATGATGCTTAACCCTCCCAATGTCTGCCAGAGGGACGGGCAGTGTGACGGCAAATACAA GTGCTGTGAGGGTATATGTGGGAAAGTCTGCCTGCCCCGGATG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>MR200750 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MKSCGLLPFTVLLALGILAPWTVEGGKNDAIKIGACPAKKPAQCLKLEKPQCRTDWECPGKQRCCQDACG SKCVNPVPIRKPVWRKPGRCVKTQARCMMLNPPNVCQRDGQCDGKYKCCEGICGKVCLPPM
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-Mlul



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



#### **Cloning Scheme:**



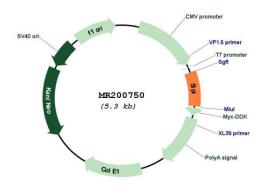
\* The last codon before the Stop codon of the ORF

ACCN:	NM_011414
ORF Size:	396 bp
OTI Disclaimer:	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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 011414.3</u>
RefSeq Size:	894 bp
RefSeq ORF:	396 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	Slpi (NM_011414) Mouse Tagged ORF Clone – MR200750
Locus ID:	20568
UniProt ID:	<u>P97430</u>
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

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US