

Product datasheet for **MG200750**

Slpi (NM_011414) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slpi (NM_011414) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slpi
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200750 representing NM_011414
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTCCTGCGGCCTTTTACCTTTACGGTGTCTCCTTGCTCTGGGGATCCTGGCACCTGGACTGTGG
 AAGGAGGCAAAAATGATGCTATCAAAATCGGAGCCTGCCCTGCTAAAAAGCCTGCCCAGTGCCTTAAGCT
 TGAGAAGCCACAATGCCGTAAGTACTGACTGGGAGTGGCCGGGAAAGCAGAGGTGCTGCCAAGATGCTTGGGT
 TCCAAGTGCCTGAATCCTGTTCCCATTCGCAAACCAAGTGTGGAGGAAGCCTGGGAGGTGCGTCAAACTC
 AGGCAAGATGTATGATGCTTAACCCTCCAATGTCTGCCAGAGGGACGGGCAGTGTGACGGCAAAATACAA
 GTGCTGTGAGGGTATATGTGGGAAAGTCTGCCTGCCCCCGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200750 representing NM_011414
 Red=Cloning site Green=Tags(s)

MKSCGLLPFTVLLALGILAPWTVEGGKNDIAIKIGACPAKKPAQCLKLEKPCRTDWECPGKQRCCQDACG
 SKCVNPVPIRKPVWRKPGRCVKTQARCMMLNPPNVCQRDGGQCDGKYKCCGICGKVCLPPM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_011414

ORF Size: 393 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. [More info](#)

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:

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.

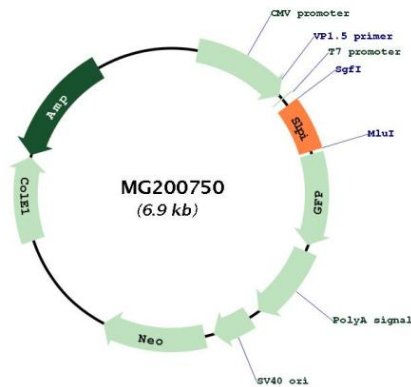
RefSeq: [NM_011414.3](#)

RefSeq Size: 1123 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]

Product images:



Circular map for MG200750