

Product datasheet for **RG204697**

SLPI (NM_003064) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLPI (NM_003064) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SLPI
Synonyms: ALK1; ALP; BLPI; HUSI; HUSI-I; MPI; WAP4; WFDC4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204697 representing NM_003064
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTCCAGCGGCCTCTCCCTTCTGGTGTCTGCTGCCCTGGAACTCTGGCACCTTGGGCTGTGG
AAGGCTCTGAAAGTCTTCAAAGCTGGAGTCTGTCTCCTAAGAAATCTGCCAGTGCCTTAGATACAA
GAAACCTGAGTCCAGAGTACTGGCAGTGTCCAGGGAAGAAGAGATGTTGTCTGACACTTGTGGCATC
AAATGCCTGGATCCTGTTGACACCCCAACCAACAAGGAGGAAGCCTGGGAAGTCCCAGTGACTTATG
GCCAATGTTTGTGCTTAACCCCAATTTCTGTGAGATGGATGGCCAGTGAAGCGTGACTTGAAGTG
TTGCATGGGCATGTGTGGAAATCCTGCGTTTCCCTGTGAAAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204697 representing NM_003064
Red=Cloning site Green=Tags(s)
MKSSGLFPFLVLLALGTLAPWAVEGSGKSFKAGVCPPKSAQCLRYKKPECQSDWQCPGKKRCCPDTCGI
KCLDPVDTPNPTRRPGKCPVTYQCLMLNPPNFCEMDQCKRDLKCCMGMCCKSCVSPVKA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_003064

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. [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.

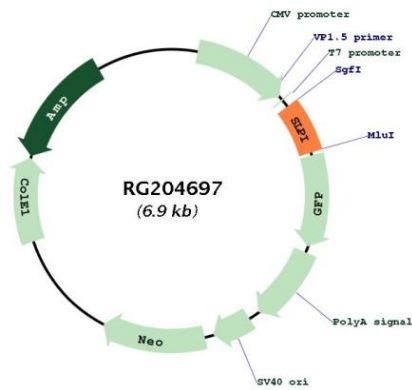
RefSeq: [NM_003064.4](#)

RefSeq Size: 598 bp

RefSeq ORF: 399 bp

Locus ID: 6590
UniProt ID: [P03973](#)
Cytogenetics: 20q13.12
Domains: WAP
Protein Families: 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]

Product images:



Circular map for RG204697