

Product datasheet for **SC314753**

SLMAP (NM_007159) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLMAP
Synonyms:	SLAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC314753 representing NM_007159.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGTGAGCCTTGCCATCTTCACTTGCCGCCGAACTCGCACCCTTTTCAAGAGCGTCATGTCTAC
CTGGACGAGCCCATCAAAATCGGCCGCTCAGTGGCCGCTGTCAGCAGCGCAGAATAATGCCACTTTT
GATTGCAAAGTGCTATCAAGGAACACGCTCTCGTCTGGTTTGATCACAAGACGGCAAGTTTTATCTT
CAAGACACTAAAAGTAGTAATGGTACTTTTATAAATAGCCAGAGATTGAGTCGAGGCTCTGAAGAAAGT
CCACCATGTGAAATTTTCCGGTGACATTATCCAGTTTGGAGTAGACGTGACAGAGAATACACGGAAA
GTTACCCATGGGTGATTGTTTCCACAATAAACTTTTCTACCAGATGGTATGGAAGCCCGGCTCCGC
TCAGATGTCAATCCATGCACCATACCAAGTCTGTGACAAAGTTGCTGCTAACACTCCAAGTATGTAC
TCTCAGGAATATTCCAGCTTCTCAGTATCTACAGGAGGCCTTACATCGGAACAATGTTGGAACAG
AAGTTAGCCACGCTTCAGCGGCTACTAGCCATCACCAAGAGGCTTCAGATACAGTTGGCAGGCTTTA
ATAGATGAAGATAGACTCTTATCACGTTAGAAGTTATGGGAAACCAATTACAGGCATGCTCCAAAAT
CAAACAGAAGATAGTTTACGAAAGGAACCTATAGCATTACAAGAGGATAAACATAACTATGAGACAACA
GCCAAAGAGTCCCTGAGGCGGTTCTTCAGGAGAAAATGAAGTGGTTAGAAAATTTTCAAGTTGAG
CGAAGTCTGAGTAATACTGAAGATGAATGTACCATCTGAAAGAAATGAATGAAAGGACTCAGGAAGAA
TTAAGAGAATTAGCCAACAAATATAATGGAGCAGTTAATGAGATTAAGATTTATCTGATAAATTAAG
GTAGCAGAGGGAAAACAGAGGAAATCCAACAGAGGACAGGCTGAGAAAAAAGAATTACAACATAAA
ATAGATGAATGGAAGAAAAGAACAGGAGCTCCAGGCAAAAATAGAAGCTTTGCAAGCTGATAATGAT
TTCACCAATGAAAGGCTAACAGCTTACAAGAGCACTTGCTTTCAAAGAGTGGCGGGACTGCACCTTT
ATTCATCAATTCATAGAATGCCAGAAGAAGCTGATCGTCGAAGGGCATCTAACCAAGCGGTAGAAGAA
ACAAAGCTTTCAAAGAAAATCAGACAAGAGCAAAAGAATCTGATTTTTCAGATACTCTGAGTCCAGC
AAGGAAAAAGCAGTGACGACACTACAGACGCCCAATGGATGAGCAAGACCTAAATGAGCCTCTTGCC
AAAGTGTCCCTTTTAAAGATGACTTGCAGGCTGCACAGTCAGAAATGAGGCAAGCAAGAAATACAG
CATCTTCGAAGGAATTGATCGAAGCCAGGAGCTAGCTAGAACAAGTAAACAAAAATGCTTTGAAGTT
CAAGCTCTTTTGAAGAAGAAAAGAAAAGCCTATCGAAATCAAGTTGAGGAATCCACTAAACAAATACAG
GTTCTTCAAGCCCAATTGCAGAGGTTACACATCGATACTGAGAATCTCCGGGAGGAGAAGGACAGTGAA
ATCACAAGTACTAGAGATGAATTGCTTAGTGCCGAGATGAAATTTTGTCTTCATCAAGCAGCAGCA
AAGGTTGCCTCTGAGCGGGACACTGACATTGCTTCTTACAAGAAGAGCTTAAGAAGGTGAGAGCTGAG
CTTGAGCGGTGGCGGAAAGCAGCGTCTGAATATGAGAAAGAAATCACAAGTCTGCAAAACAGTTTTCAG
CTTAGATGTCAACAGTGTGAGGACCAGCAGAGAGAAGAAGCAACAGGTTGCAAGGTGAAGTGAAGAAG
TTGAGAAGGAATGGAATGCATTGGAACCGAATGCCATTCTCTAAAAGGGAAAATGTTTTGCTATCA
TCAGAACTGCAACGGCAAGAAAAGAATTGCACAATTTCTCAGAAGCAGAGTTTAGAGCTTACCAGTGAT
CTCAGCATCCTTCAAATGTCTAGGAAAGAACTTGAGAATCAAGTGGGATCCTTGAAAGAACAGCATCTT
CGGGATTACAGTGATTTAAAACTCTTCTCAGTAAGGCAGAAAACCAAGCAAAGGATGTGCAGAAAGAG
TATGAAAGACACAGACTGTACTCTCAGAACTGAAGTTGAAGTTTGAAGTGAAGTGAAGTGAAGTGAAGT
TCAATCACAGATGAGCTCAAACAGTGTAAAAACAACCTGAAGCTGCTCCGAGAGAAAGGAAATAATAAA
CCCTGGCCCTGGATGCCCATGTTGGCTGCCCTGGTTGCAGTAACAGCCATCGTGCTGTACGTGCCAGGT
CTGGCCAGAGCTTCTCCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:

SgfI-MluI

ACCN:

NM_007159

Insert Size:

2436 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_007159.4</u>
RefSeq Size:	5472 bp
RefSeq ORF:	2436 bp
Locus ID:	7871
UniProt ID:	<u>Q14BN4</u>
Cytogenetics:	3p14.3
Domains:	KE2
Protein Families:	Transmembrane
MW:	93.2 kDa

Gene Summary:

This gene encodes a component of a conserved striatin-interacting phosphatase and kinase complex. Striatin family complexes participate in a variety of cellular processes including signaling, cell cycle control, cell migration, Golgi assembly, and apoptosis. The protein encoded by this gene is a coiled-coil, tail-anchored membrane protein with a single C-terminal transmembrane domain that is posttranslationally inserted into membranes. Mutations in this gene are associated with Brugada syndrome, a cardiac channelopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region compared to variant 1. The encoded isoform (b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.