

Product datasheet for **SC115905**

Slap (SLA) (NM_006748) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slap (SLA) (NM_006748) Human Untagged Clone
Tag:	Tag Free
Symbol:	Slap
Synonyms:	SLA1; SLAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006748, the custom clone sequence may differ by one or more nucleotides

```
ATGCTCTCTAAACTGGGTCATTCTCCACTTGGAGGGCTCAGGGCACGGTTGACTTTCCTCCGCTGTCTCC
TATACCACAGGCTCTGGGCATCACCAGCGGCCCCAGGGAAAAAGAAAGAAATGGGAAACAGCATGAAATC
CACCCCTGCGCCTGCCGAGAGGCCCTGCCAACC CGAGGGACTGGATAGCGACTTCCTTGCCGTGCTA
AGTGACTACCCGCTCCTGACATCAGCCCCCGATATTCGCGGAGGGGAGAACTGCGTGTGATTTCTG
ATGAAGGGGGCTGGTGAAAGCTATTTCTTTAGCACTGGTCGAGAGAGTTACATCCCTGGAATATGTGT
GGCCAGAGTTTACCATGGCTGGCTGTTTGAGGGCCTGGGCAGAGACAAGGCCGAGGAGCTGCTGCAGCTG
CCAGACACAAAGGTCGGCTCCTTCATGATCAGAGAGAGTGAGACCAAGAAAGGGTTTTACTACTGTCGG
TGAGACACAGGCAGGTAAGCATTACCGCATTTTCCGTCTGCCCAACAACCTGGTACTACATTTCCCCGAG
GCTCACCTTCCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGGTGGCTGATGGCCTGTGCTGTGTG
CTCACCACGCCCTGCCTGACACAAAGCACGGCTGCCCCAGCAGTGAGGGCCTCCAGCTCACCTGTACCT
TGCGTCAAGACTGTGGACTGGAGGAGAGTGTCCAGACTGCAGGAGGACCCCGAGGGAACAGAGAACCC
GCTTGGGGTAGACGAGTCCCTTTTCAGCTATGGCCTTCGAGAGAGCATTGCCTCTTACCTGTCCCTGACC
AGTGAGGACAACACCTCCTTTGATCGAAAGAAGAAAAGCATCTCCCTGATGTATGGTGGCAGCAAGAGAA
AGAGCTCATTCTCTCATCACCACCTTACTTTGAGGACTAG
```



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006748 unedited
 AGCGGTCAATTTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGATTTGCT
 GCGAATGGAGAACATCTCAGGCAGCCCTGATGCTCCACCGGCTCTGGGCATCACCAGNNC
 GGCCCCAGGAAAAAGAAAGAAATGGGAAACAGCATGAAATCCACCCCTGCGCCTGCCGA
 GAGGCCCTGCCAACCCGGAGGGACTGGATAGCGACTTCCTTGCCGTGCTAAGTGACTA
 CCCGTCTCCTGACATCAGCCCCCGATATTCGCCGAGGGGAGAAACTGCGTGTGATTTT
 TGATGAAGGGGGCTGGTGGAAAGCTATTTCTCTTAGCACTGGTCGAGAGAGTTACATCCC
 TGGAATATGTGTGGCCAGAGTTTACCATGGCTGGCTGTTTGAGGGCCTGGGCAGAGACAA
 GGCCGAGGAGCTGCTGCAGCTGCCAGACACAAAGGTCGGCTCCTTCATGATCAGAGAGAG
 TGAGACCAAGAAAGGGTTTTACTCACTGTCTGGTGAGACACAGGCAGGTAAAGCATTACCG
 CATTTTCCGTCTGCCAACAACTGGTACTACATTTCCCGAGGCTCACCTTCCAGTGCCT
 GGAGGACTGGTGAACCACTATTCTGAGGTGGCTGATGGCCTGTGCTGTGTGCTCACCAC
 GCCCTGCCTGACACAAAGCACGGCTGCCCCAGCAGTGAGGGCCTCCAGCTCACCTGTAC
 CTTGCGTCAGAAGACTGTGGACTGGAGGAGAGTGTCCAGACTGCANGAGGACCCCGAGGA
 ACCAGAAACCCGCATGGGGTAGACGAGTCCCTTTTCAGCTATGGCCCTCGAGAGAGCATT
 GCCTTCTAACTGTCCCTGACCAGTGAGGACAACACCCTCCTTGATCGAAAGGAGAAAAGC
 ATCTCCCTGATGTATGGTGGCAGCAAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006748 unedited
 GCGGCCGATTCTAGNATCGAGTTTTTTTTTTTTTTTTTTGGCTTGCTGACACCTTACA
 GAGGACTTAATGCAATGCCTATTCGGGCAATAAATGAATACTTGTATGCATTCATACAGGC
 AAGAATCCAGCATCCCAGAGAAGCTCTGTCTGCACTGCAAAGCCATGGCTGCAGACATC
 AGGGAAGCTGGTGCAGTTCTAGTCTCGCCTCCTCGATTTCCCTGCCAGCAGGCTTCTCT
 CTCTATTCTTCTGGCCCTCTGCAAGAACAGGGAGGCCAACTGACTTCCACCCATATGGC
 TTTGGTGCAGGAGCAGACCAAAGGTATCTCCAATTGAAGGCTAAGAAGTCTTTGGGCT
 AATGTTTGTAGTGCACGAAGTTCCTTTAAAAAGAGAGGAAAGCATAACCAGAAGTCCCTATG
 GATTAGTTAAAGTAGTTCATTCAGGGCACCCATCTGCAAACCCAGACCTTCTGCCAGGA
 CACAGCTTTTGTTCCTCTCCCTCTCAGGCTTGCCCATACAGAAGTTCTCTCAAATGACC
 TTGGAGTGAACGTCTGGACAGGTCCAGTTCCTTGGAGAGCAGTCTGGTGGCCTTTCT
 TGTGAGAGTGGCTTTGTCTTCCCCACACACAATGTGTGCATACATACATGCTGGGCTCT
 TCCAAGCATCGCCGACATGTCATGATCCAATGTTTCGTGATGCCACAGCCCTGATCAGA
 CACCAGGAGGGGTTCTTTGGTCATGATGTGGATAGAGAAGATGCGAATTTGAGTCTCCA
 TGTGGCTTCTCTTGGCTTCTAAATACGTGAGGCTCCCCGGGATCAAGGAACCTCCGCTTT
 CGCAAGATCCAGCCATAGTTGGACCTCTGTTCTTCTGGCATGAACATTGNGNCTGTTCT
 GCCTAGTCTCAGGTAGGTGTGATAGAGAATGACTCTTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_006748

Insert Size:

1910 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).

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_006748.1](#), [NP_006739.1](#)

RefSeq Size: 2872 bp

RefSeq ORF: 831 bp

Locus ID: 6503

UniProt ID: [Q13239](#)

Cytogenetics: 8q24.22

Domains: SH2, SH3

Protein Families: Druggable Genome

Gene Summary: Adapter protein, which negatively regulates T-cell receptor (TCR) signaling. Inhibits T-cell antigen-receptor induced activation of nuclear factor of activated T-cells. Involved in the negative regulation of positive selection and mitosis of T-cells. May act by linking signaling proteins such as ZAP70 with CBL, leading to a CBL dependent degradation of signaling proteins.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (c) is longer at the N-terminus, compared to isoform a.