

Product datasheet for **SC311464**

Slap (SLA) (NM_001045557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slap (SLA) (NM_001045557) Human Untagged Clone
Tag:	Tag Free
Symbol:	Slap
Synonyms:	SLA1; SLAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311464 representing NM_001045557. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCCACCGGCTCTGGGCATCACCAGCGGCCCCAGGGAAAAAGAAAGAAATGGGAAACAGCATGAAA
TCCACCCCTGCGCCTGCCGAGAGGCCCTGCCAACCCGGAGGGACTGGATAGCGACTTCCTTGCCGTG
CTAAGTGACTACCGTCTCCTGACATCAGCCCCCGATATTCGCCGAGGGGAGAACTGCGTGTGATT
TCTGATGAAGGGGCTGGTGGAAAGCTATTTCTTTAGCACTGGTCGAGAGAGTTACATCCCTGGAATA
TGTGTGGCCAGAGTTTACCATGGCTGGCTGTTGAGGGCCTGGGCAGAGACAAGGCCGAGGAGCTGCTG
CAGCTGCCAGACAAAAGGTCGGCTCCTCATGATCAGAGAGAGTGAGACCAAGAAAGGGTTTTACTCA
CTGTCCGTGAGACACAGGCAGGTAAGCATTACCGCATTTTCCGTCTGCCAACAACCTGGTACTACATT
TCCCCGAGGCTCACCTTCCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGGTGGCTGATGGCCTG
TGCTGTGTGCTCACACGCCCTGCCTGACACAAAGCACGGCTGCCCCAGCAGTGAGGGCCTCCAGCTCA
CCTGTCACCTTGCGTCAGAAGACTGTGGACTGGAGGAGAGTGCCAGACTGCAGGAGGACCCCGAGGGA
ACAGAGAACCCGCTTGGGGTAGACGAGTCCCTTTTCAGCTATGGCCTTCGAGAGAGCATTGCCTCTTAC
CTGTCCCTGACCAGTGAGGACAACCTCCTTTGATCGAAAGAAGAAAAGCATCTCCCTGATGTATGGT
GGCAGCAAGAGAAAGAGCTCATTCTTCTCATCACCACCTTACTTTGAGGACTAG
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001045557
Insert Size:	882 bp



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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:	<ol style="list-style-type: none"> 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:	<u>NM_001045557.2</u>
RefSeq Size:	3228 bp
RefSeq ORF:	882 bp
Locus ID:	6503
UniProt ID:	<u>Q13239</u>
Cytogenetics:	8q24.22
Protein Families:	Druggable Genome
MW:	33.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate 5' exon and uses an upstream translation initiation codon, compared to variant 1. The resulting isoform (b) is longer at the N-terminus, compared to isoform a.</p>