

Product datasheet for RC229145

Slap (SLA) (NM_001045557) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slap (SLA) (NM_001045557) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slap
Synonyms:	SLA1; SLAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229145 representing NM_001045557 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTCCACCGGCTCTGGGCATCACCAGCGGCCCCAGGGAAAAAGAAAGAAATGGGAAACAGCATGAAAT
 CCACCCCTGCGCCTGCCGAGAGGCCCTGCCAACCCGGAGGGACTGGATAGCGACTTCCTTGCCGTGCT
 AAGTGACTACCCGTCTCCTGACATCAGCCCCCGATATTCGCGGAGGGGAGAACTGCGTGTGATTCT
 GATGAAGGGGGCTGGTGGAAAGCTATTTCTCTTAGCACTGGTCGAGAGATTACATCCCTGGAATATGTG
 TGGCCAGAGTTTACCATGGCTGGCTGTTTGAGGGCCTGGGCAGAGACAAGGCCGAGGAGCTGCTGCAGCT
 GCCAGACACAAAGGTCGGCTCCTTCATGATCAGAGAGAGTGAGACCAAGAAAGGGTTTTACTCACTGTCTG
 GTGAGACACAGGCAGGTAAGCATTACCGCATTTTCCGTCTGCCAACAACTGGTACTACATTTCCCCGA
 GGCTCACCTTCCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGGTGGCTGATGGCCTGTGCTGTGT
 GCTCACCACGCCCTGCCTGACACAAAGCACGGCTGCCCCAGCAGTGAGGGCCTCCAGTCACTGTCAACC
 TTGCGTCAGAAGACTGTGGACTGGAGGAGAGTGTCAGACTGCAGGAGGACCCCGAGGGAACAGAGAACC
 CGCTTGGGGTAGACGAGTCCCTTTTCAGCTATGGCCTTCGAGAGAGCATTGCCTCTTACCTGTCCCTGAC
 CAGTGAGGACAACACCTCCTTTGATCGAAAGAAGAAAGCATCTCCCTGATGTATGGTGGCAGCAAGAGA
 AAGAGCTATTCTTCTCATCACCACTTACTTTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC229145 representing NM_001045557
 Red=Cloning site Green=Tags(s)

MLHRLWASPAAPGKKKEMGNSMKSTPAPAERPLNPEGLDSDFLAVLSDYPSPDISPPIFRRGEKLRVIS
 DEGGWWKAISLSTGRESYIPGICVARVYHGWLFEGLGRDCAEELLQLPDTKVGSFMIRESETKKGFYSLS
 VRHRQVKHYRIFRLPNNWYYISPRLTFCLEDLVNHYSEVADGLCCVLTPCLTQSTAAPAVRASSSPVT
 LRQKTVDWRRVSRLQEDPEGTENPLGVDESLFSYGLRESIASYLSLTSEDNTSFDRKKKSISLMYGGSKR
 KSSFFSSPPYFED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8036_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001045557

ORF Size: 879 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001045557.3](#)

RefSeq ORF: 882 bp

Locus ID: 6503

UniProt ID: [Q13239](#)

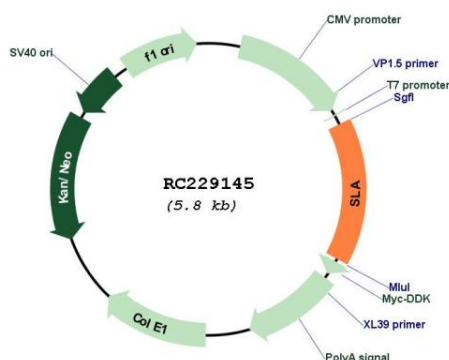
Cytogenetics: 8q24.22

Protein Families: Druggable Genome

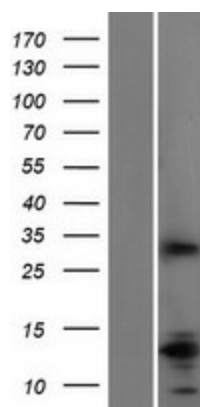
MW: 32.9 kDa

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]

Product images:



Circular map for RC229145



Western blot validation of overexpression lysate (Cat# [LY432169]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229145 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).