

Product datasheet for **RG202767**

Slap (SLA) (NM_001045556) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slap (SLA) (NM_001045556) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLA
Synonyms:	SLA1; SLAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202767 representing NM_001045556 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAAACAGCATGAAATCCACCCCTGCGCCTGCCGAGAGGCCCTGCCCAACCCGGAGGGACTGGATA
GCGACTTCCTTGCCGTGCTAAGTGACTACCCGTCCTGACATCAGCCCCCGATATTCGCCGAGGGGA
GAAACTGCGTGTGATTTCTGATGAAGGGGGCTGGTGAAAGCTATTTCTTAGCACTGGTCGAGAGAGT
TACATCCCTGGAATATGTGTGGCCAGAGTTTACCATGGCTGGCTGTTTGAGGGCCTGGGCAGAGACAAG
CCGAGGAGCTGCTGCAGCTGCCAGACACAAAGGTCGGCTCCTTCATGATCAGAGAGAGTGAGACCAAGAA
AGGGTTTTACTACTGTGCGGTGAGACACAGGCAGGTAAAGCATTACCGCATTTTCCGTCTGCCCAACAAC
TGGTACTACATTTCCCGAGGCTCACCTTCCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGGTGG
CTGATGGCCTGTGCTGTGTGCTCACCACGCCCTGCCTGACACAAAGCACGGCTGCCCCAGCAGTGAGGGC
CTCCAGCTCACCTGTCACCTTGGCTCAGAAGACTGTGGACTGGAGGAGAGTGCCAGACTGCAGGAGGAC
CCCGAGGGAACAGAGAACCCGCTTGGGGTAGACGAGTCCCTTTTCAGCTATGGCCTTCGAGAGAGCATTG
CCTTTACCTGTCCCTGACCAGTGAGGACAACCTCCTTTGATCGAAAGAAGAAAGCATCTCCCTGAT
GTATGGTGGCAGCAAGAGAAAAGAGCTCATTCTTCTCATCACCACTTACTTTGAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202767 representing NM_001045556
 Red=Cloning site Green=Tags(s)

MGNSMKSTPAPAERPLPNPEGLDSDLAVLSDYSPDISPPIFRRGEKLRVISDEGGWWKAISLSTGRES
 YIPGICVARVYHGWLFEGLGRDKAEELLQLPDTKVGSFMIRESETKKGFYSLSVRHRQVKHYRIFRLPNN
 WYYISPRLTFQCLEDLVNHYSEVADGLCCVLTTPCLTQSTAAPAVRASSSPVTLRQKTVDWRRVSRLOQED
 PEGTENPLGVDESLSFSYGLRESIASYLSLTSEDNTSFDRKKKSIISLMYGGSKRKSSFFSSPPYFED

TRTRPLE - GFP Tag - V

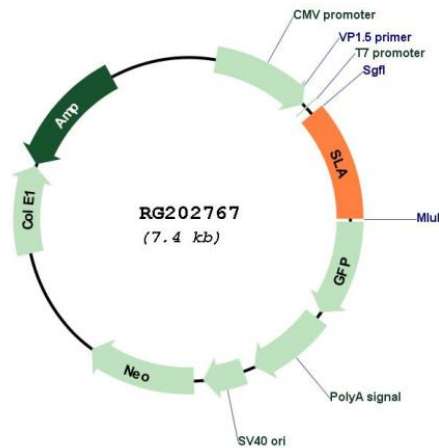
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001045556

ORF Size: 828 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:	<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:	NM_001045556.3
RefSeq Size:	3506 bp
RefSeq ORF:	831 bp
Locus ID:	6503
UniProt ID:	Q13239
Cytogenetics:	8q24.22
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]