

## Product datasheet for **MG203805**

### Sla (BC032922) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sla (BC032922) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sla
Synonyms:	Slap, Slap-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203805 representing BC032922 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGGAATAGCATGAAATCCACATCTCCACCTTCGGAGAGGCCGTTATCCAGCAGTGAGGGACTTGAAA  
GTGACTTCCTGGCTGTGCTGACTGACTACCCATCTCCTGACATTAGCCCCCAATATTCCGGAGAGGAGA  
GAAACTGCGTGTAATTTCTGATGAAGGGGGCTGGTGGAAAGCCATTTCTCTCAGCACTGGCCGGGAAAGT  
TATATTCCAGGGATATGTGTGCCAGAGTGTACCATGGCTGGCTGTTGAAGACTGGGCAGGGACAAGG  
CTGAGGAACTGCTGCAGCTGCCAGATACAAAGATTGGTAGCTTCATGATTCGAGAGAGTGAAACAAAGAA  
AGGTTTCTATTCGCTGTCTGTGAGACACAGGCAGGTGAAGCATTATCGAATCTTCCGTCTTCCCAACAAC  
TGGTACTACATCTCACCAAGGCTCACCTTCCAATGCCTGGAGGACCTGGTGACTCATTATTCTGAAGTGG  
CTGATGGTCTATGCTGTGTGCTCACCACACCCTGTCTGGCACAGAACATACCTGCTCCAACATCCCACCC  
ATCACCTTGACCAGCCCTGGTTACCTGTACCTTGCGCCAGAAGACCTTTGACTGGAAGAGGGTATCC  
AGATTGCAAGAAGGTTTCAGAGGGAGCAGAGAACCCACTCAGAGTGGACGAATCCCTTTTCAGCTATGGTC  
TTCGGGAAAGCATTGCCTCTTACCTGTCCCTGACAGGGGATGACAGCAGCTCCTTCGACCCGAAGAAGAA  
GAGTCTCTCCCTAATGTACACTGGCAGCAAACGAAGAGTTCCTTTTTTTCAGCACCCCACTACTTTGAA  
GAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203805 representing BC032922  
Red=Cloning site Green=Tags(s)

MGNSMKSTSPSPERPLSSSEGLESDFLAVLTDYSPDISPPIFRRGEKLRVISDEGGWWKAISLSTGRES  
 YIPGICVARVYHGWLFEGLGRDKAEELLQLPDTKIGSFMIRESETKKGFYSLSVRHRQVKHYRIFRLPNN  
 WYYISPRLTFQCLEDLVTHYSEVADGLCCVLTTPCLAQNIAPTSHPSPCTSPGSPVTLRQKTFDWKRVS  
 RLQEGSEGAENPLRVDESLFSYGLRESIASYLSLTGDDSSSFDRKKKSLSLMYTGSKRKSFFSAPQYFE  
 D

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC032922

**ORF Size:** 845 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.

**RefSeq:** [BC032922](#), [AAH32922](#)

**RefSeq Size:** 2648 bp

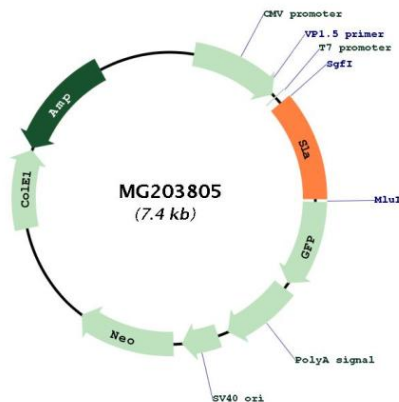
**RefSeq ORF:** 845 bp

**Locus ID:** 20491

**Cytogenetics:** 15 29.3 cM

**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 MG203805