

## Product datasheet for **RG223060**

### Slap (SLA) (NM\_006748) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Slap (SLA) (NM_006748) 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:  | >RG223060 representing NM_006748<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAAACAGCATGAAATCCACCCCTGCGCCTGCCGAGAGGCCCTGCCCAACCCGGAGGGACTGGATA  
GCGACTTCCTTGCCGTGCTAAGTGACTACCCGTCCTGACATCAGCCCCCGATATTCGCCGAGGGGA  
GAAACTGCGTGTGATTTCTGATGAAGGGGGCTGGTGGAAAGCTATTTCTTAGCACTGGTCGAGAGAGT  
TACATCCCTGGAATATGTGTGGCCAGAGTTTACCATGGCTGGCTGTTTGAGGGCCTGGCCAGAGACAAG  
CCGAGGAGCTGCTGCAGCTGCCAGACACAAAGGTCGGCTCCTTTATGATCAGAGAGAGTGAGACCAAGAA  
AGGGTTTTACTACTGTGCGGTGAGACACAGGCAGGTAAAGCATTACCGCATTTTCCGTCTGCCCAACAAC  
TGGTACTACATTTCCCGAGGCTCACCTTCCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGGTGG  
CTGATGGCCTGTGCTGTGTGCTCACCACGCCCTGCCTGACACAAAGCACGGCTGCCCCAGCAGTGAGGGC  
CTCCAGCTCACCTGTCACCTTGGCTCAGAAGACTGTGGACTGGAGGAGAGTGCCAGACTGCAGGAGGAC  
CCCAGGGAACAGAGAACCCGCTTGGGGTAGACGAGTCCCTTTTCAGCTATGGCCTTCGAGAGAGCATTG  
CCTTTACCTGTCCCTGACCAGTGAGGACAACCTCCTTTGATCGAAAGAAGAAAGCATCTCCCTGAT  
GTATGGTGGCAGCAAGAGAAAAGAGCTCATTCTTCTCATCACCACTTACTTTGAGGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223060 representing NM\_006748  
 Red=Cloning site Green=Tags(s)

MGNSMKSTPAPAERPLPNPEGLDSDLAVLSDYSPDISPPIFRRGEKLRVISDEGGWWKAISLSTGRES  
 YIPGICVARVYHGWLFEGLGRDKAEELLQLPDTKVGSFMIRESETKKGFYSLSVRHRQVKHYRIFRLPNN  
 WYYISPRLTFQCLEDLVNHYSEVADGLCCVLTTPCLTQSTAAPAVRASSSPVTLRQKTVDWRRVSRLOQED  
 PEGTENPLGVDESLSFSYGLRESIASYLSLTSEDNTSFDRKKKSIISLMYGGSKRKSSFFSSPPYFED

TRTRPLE - GFP Tag - V

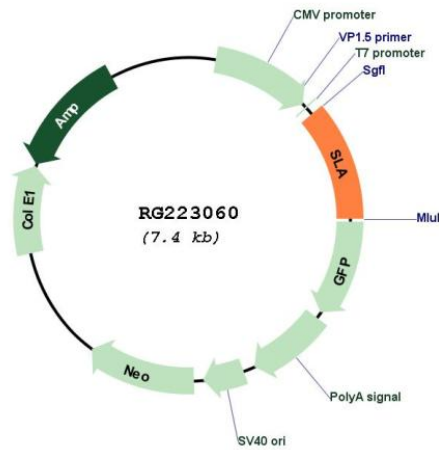
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_006748

ORF Size: 2869 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_006748.1</a> , <a href="#">NP_006739.1</a>   |
| <b>RefSeq Size:</b>           | 2665 bp   |
| <b>RefSeq ORF:</b>            | 951 bp  |
| <b>Locus ID:</b>              | 6503  |
| <b>UniProt ID:</b>            | <a href="#">Q13239</a>  |
| <b>Cytogenetics:</b>          | 8q24.22   |
| <b>Domains:</b>               | SH2, SH3  |
| <b>Protein Families:</b>      | Druggable Genome  |
| <b>Gene Summary:</b>          | 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]   |