

Product datasheet for **RG200900**

SSU72 (NM_014188) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SSU72 (NM_014188) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SSU72
Synonyms: HSPC182; PNAS-120
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200900 representing NM_014188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGTCGTCCTCCCGCTGCGGGTGGCGGTGGTGTGCTCGAGCAACCAGAACCGGAGCATGGAGGCGCACA
 ACATCCTCAGCAAACGGGGATTACGCGTCCGATCCTTTGGAACAGGGACTCACGTGAAGCTTCAGGACC
 AGCTCCCAGACAAGCCCAATGTTTATGATTTCAAACACATATGACCAGATGTACAATGATCTTCTTAGG
 AAAGACAAAGAACTCTATACACAGAATGGGATTTACATATGCTGGACAGAAATAAGAGAATCAAGCCCC
 GGCCAGAAAGATTCCAGAACTGCAAAGACCTGTTTGATCTGATCCTCACTTGCGAAGAGAGAGTGTATGA
 CCAGGTGGTGGAAAGATCTGAATTCCAGAGAACAGGAGACCTGCCAGCCCGTGACGTGGTCAATGTGGAC
 ATCCAGGACAACCACGAGGAGGCCACCCTGGGGCGTCTTCTCATCTGTGAGCTCTGCCAGTGTATCCAGC
 ACACGGAAGACATGGAGAACGAGATCGACGAGCTGCTGCAGGAGTTTCGAGGAGAAGAGTGCCCGCACCTT
 TCTGCACACCGTCTGCTTCTAC

A**CGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200900 representing NM_014188
 Red=Cloning site Green=Tags(s)

MPSSPLRVAVVCSSNQNRSM EAHNILSKRGFSVRSFGTGHVKLP GPAPDKPNVYDFKTTYDQMYNDLLR
 KDKELYTQNGILHMLDRNKRIKPRPERFQNKDLFDLILTCEERVYDQVVEDLNSREQETCQPVHVVNVD
 IQDNHEEATLGAFLICELCQCIQHTEDMENEIDELLQEFEEKSGRTFLHTVCFY

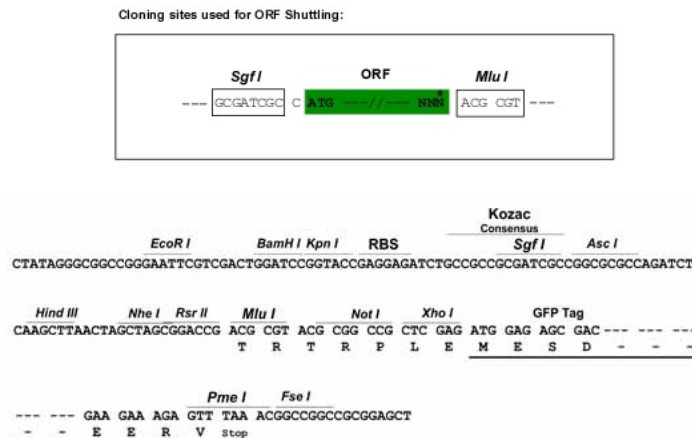
T**R**TRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_014188

ORF Size: 582 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_014188.1](#)

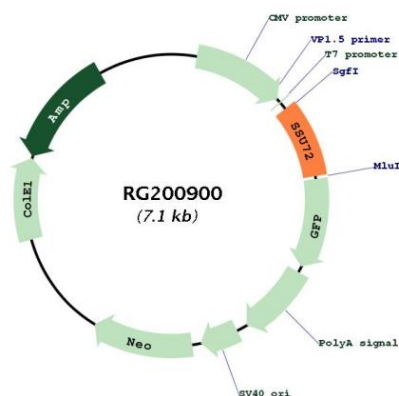
RefSeq Size: 1319 bp

RefSeq ORF: 585 bp

Locus ID: 29101

UniProt ID:	<u>Q9NP77</u>
Cytogenetics:	1p36.33
Domains:	Ssu72
Protein Families:	Druggable Genome
Gene Summary:	Protein phosphatase that catalyzes the dephosphorylation of the C-terminal domain of RNA polymerase II. Plays a role in RNA processing and termination. Plays a role in pre-mRNA polyadenylation via its interaction with SYMPK.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200900