

Product datasheet for **RG202467**

SGTB (NM_019072) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGTB (NM_019072) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SGTB
Synonyms:	SGT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202467 representing NM_019072 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATCTATCAAGCACCTGGTTTATGCAGTTATTCTGTTTCTTACGGGAACAAAGTCAGATGGACACTT
ACACCTCGGATGAACAAGAAAGTTTGAAGTTGCAATTCAGTGCTTGGAGACAGTTTTTAAGATCAGCCC
AGAAGATACACACCTAGCAGTTTACAGCCTTTGACAGAAATGTTTACCAGTTCCTTCTGTAAGAATGAC
GTTCTGCCCTTTCAAACCTAGTGCCTGAAGATGTGGGAAAAGCTGACCAATTAAGATGAAGGCAATA
ACCACATGAAAGAAGAAAATTATGCTGCTGCAGTGGATTGTTACACACAGGCAATAGAATTGGATCCCAA
TAATGCAGTTTACTATTGCAACAGGGCTGCTGCTCAGAGCAAATTAGGTCACTACACAGATGCGATAAAG
GATTGTGAAAAAGCAATAGCAATTGATTCAAAGTACAGCAAGGCCTATGGGAGAAATGGGGCTGGCCCTCA
CTGCCTTGAATAAATTTGAAGAAGCAGTTACAAGTTATCAAAAGGCATTAGATCTTGACCTGAAAATGA
TTCCTATAAGTCAAATCTGAAATAGCAGAACAGAAGTTAAGAGAGGTATCCAGTCTACAGGAAGTGA
CTGAGCTTTGACATGGCTAGCTTGATAAATAATCCAGCCTTCATTAGTATGGCGGCAAGTTAATGCAGA
ACCCTCAAGTTCAACAGCTAATGTCAGGAATGATGACAAATGCCATTGGGGGACCTGCTGCTGGAGTTGG
GGGCCTAACTGACCTGTCAAGCCTCATCAAGCGGGACAGCAGTTTGCTCAGCAGATACAGCAACAAAAT
CCTGAAGTTATAGAGCAACTGAGAAATCACATCCGGAGCAGATCATTAGCAGCAGCGCTGAAGAGCATT
CC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202467 representing NM_019072
 Red=Cloning site Green=Tags(s)

MSSIKHLVYAVIRFLREQSQMDTYTSDEQESLEVAIQCLETVFKISPEDTHLAVSQPLTEMFTSSFCCKND
 VLPLSNSVPEDVGKADQLKDEGNNHMKREENYAAAVDCYTQAIELDPNNAVYYCNRAAAQSKLGHYTDAIK
 DCEKAIIDSKYSKAYGRMGLALTALNKFEAVTSYQKALDLPENDSYKSNLKIAEQKLREVSSPTGTG
 LSFDMASLINNPAFISMAASLMQNPQVQQLMSGMMTNAIGGPAAGVGGLTDLSSLIQAGQQFAQQIQQQN
 PELIEQLRNHIRSRFSFSSAAEEHS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019072

ORF Size: 912 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_019072.3](#)

RefSeq Size: 5453 bp

RefSeq ORF: 915 bp

Locus ID: 54557

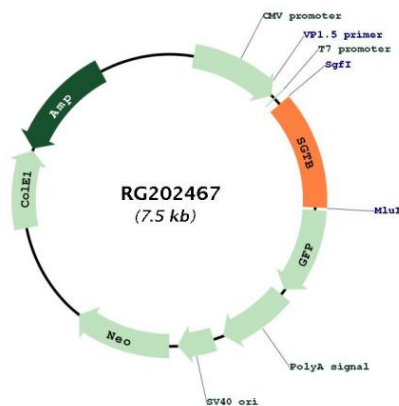
UniProt ID: [Q96EQ0](#)

Cytogenetics: 5q12.3

Domains: TPR

Gene Summary: Co-chaperone that binds directly to HSC70 and HSP70 and regulates their ATPase activity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202467