

Product datasheet for **RG201244**

SAP62 (SF3A2) (NM_007165) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SAP62 (SF3A2) (NM_007165) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | SF3A2 |
| Synonyms: | PRP11; PRPF11; SAP62; SF3a66 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG201244 representing NM_007165
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTTCCAGCATCGCCCCGGGGCAAGACCGGGAGCGGGGGCGTGGCCTCCTCCTCCGAGAGCAACC
 GTGACCGCAGGGAGCGCCTCCGGCAGCTGGCCCTGGAGACCATCGACATCAACAAGGACCGTACTTCAT
 GAAGAACCACCTGGGCTCCTATGAATGCAAACCTGTCCTGACACTTCACAACAATGAGGGGAGCTACCTG
 GCACATACGCAGGGGAAGAAGCACCAGACCAACCTGGCCCGCGAGCAGCCAAGGAGGCCAAGGAGGCC
 CTGCCAGCCCGCCTGAGAAGGTCAAGGTGGAGGTGAAGAAGTTTGTGAAGATCGGCCCGCCGGGCTA
 CAAAGTGACCAAGCAGAGAGACTCGGAGATGGCCAGCAGAGCCTCCTCTCCAGATTGACTACCCTGAG
 ATCGCCGAGGGCATCATGCCACGTCACCGCTTCATGTCTGCGTACGAGCAGAGGATCGAGCCTCCGGACC
 GGCCTGGCAGTACCTGCTCATGGCCCGCAGCCCTACGAGACCATTGCCTTCAAGGTGCCGAGCAGAGA
 GATCGACAAGGGCGAGGGCAAGTTCTGGACACACTGGAACCGGGAGACCAAGCAGTTCTTCTCCAGTTC
 CACTTTAAGATGGAGAAGCCCCGGCTCCACCCAGCCTCCTGCTGGCCCCCTGGGGTGAAGCGGCCTC
 CACCCCGCTGATGAACGGTCTGCCCCCTCGGCCACCGCTGCCTGAGTCTTTGCCACCGCCCCCGCAGG
 AGGCCTGCCTCTGCCACCCATGCCCCCACAGGGCCTGCGCCCTCAGGGCCCCGGGACCACCCAGCTA
 CCCCCGCAGCTCCAGGGTCCACCCCCGGCCCCAGTGGTGCATCCCCCTGCATCTGGGGTCCATCCCC
 CAGCTCCTGGCGTCCACCCCCAGCTCCTGGCGTCCATCCCCAGCCCCGGGGTCCACCCACCAACCTC
 TGGGGTCCACCCCCAGCTCCTGGAGTCCACCTCCAGCCCCGGGGTTCACCCACCAGCCCCGGGATC
 CACCCACCAGCCCCTGGGGTTCACCCACCAGCCCCAGGGTCCATCCTCCCCATCAGCGGGGGTTCACC
 CCCAGGCCCGGGGTGCACCCAGCAGCCCCCGCGTTACCCCTCAGGCCCGGGGTGCACCCACCAGC
 CCCAGGGATGCACCTCAGGCCCGGGGTCCACCCCCAACCTCCCGGGTCCATCCGTCGGCTCCTGGG
 GTCCACCTCAGCCTCCGGGAGTTCACCCCTCAAATCCTGGGGTGCACCCCCAACCTCCCATGCCCCAA
 TGCTGAGGCCCACTTCCCTCCGAAGGCCAGGGAACATACCTCCCCCTCCCCAACCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201244 representing NM_007165
 Red=Cloning site Green=Tags(s)

MDFQHRPGGKTGSGGVASSSESNRDRERLRQLALETIDINKDPYFMKNHLGSYECKLCLTLHNNEGSYL
 AHTQGKKHQTNLARAAKEAKEAPAQPAPEKVKVEVKFVKIGRPGYKVTQQRDSEMGQQLLFQIDYPE
 IAEGIMPRHRFMSAYEQRIEPPDRRWQYLLMAAEPYETIAFKVPSREIDKAEGKFWTHWNRETKQFFLQF
 HFKMEKPPAPPSLPAGPPGVKRPPLMNGLPPRPPLPESLPPPPGGLPLPPMPPTGPAPSGPPGPPQL
 PPPAPGVHPPAPVVHPPASGVHPPAPGVHPPAPGVHPPAPGVHPPPTSGVHPPAPGVHPPAPGVHPPAPGV
 HPPAPGVHPPAPGVHPPSAGVHPQAPGVHPPAAPAVHPQAPGVHPPAPGMHPQAPGVHPQPPGVHPSAPG
 VHPQPPGVHPSNPGVHPPTMPMLRPPLPSEPGNIPPPPPTN

TRTRPLE - GFP Tag - V

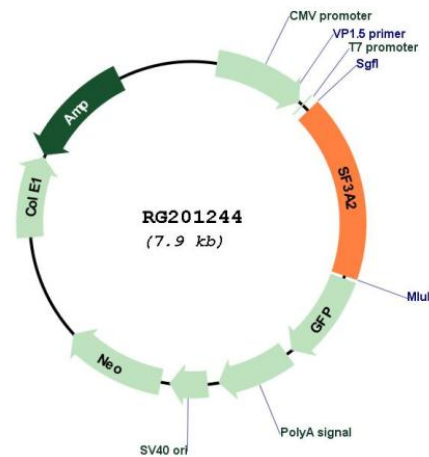
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007165

ORF Size: 1392 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.

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| 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_007165.5 |
| RefSeq Size: | 1678 bp |
| RefSeq ORF: | 1395 bp |
| Locus ID: | 8175 |
| UniProt ID: | Q15428 |
| Cytogenetics: | 19p13.3 |
| Domains: | ZnF_U1 |
| Protein Pathways: | Spliceosome |
| Gene Summary: | This gene encodes subunit 2 of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer includes subunits 1, 2 and 3 and is necessary for the in vitro conversion of 15S U2 snRNP into an active 17S particle that performs pre-mRNA splicing. Subunit 2 interacts with subunit 1 through its amino-terminus while the single zinc finger domain of subunit 2 plays a role in its binding to the 15S U2 snRNP. Subunit 2 may also function independently of its RNA splicing function as a microtubule-binding protein. [provided by RefSeq, Jul 2008] |