

Product datasheet for **RG203160**

SAP30 (NM_003864) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: SAP30 (NM_003864) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: SAP30
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG203160 representing NM_003864
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGGCTTCACGCCTGACGAGATGAGCCGGCGGGGATGCGGCCGCCGCAGTGGCCGCAGTGGTCCG
 CTGCCGCGCCGCGCCGCTCGGCGGGAAACGGGACCGCGCGGGCACCAGGGGCTGAGGTGCCGGGCGC
 GGGGGCGGTCTCAGCGGTGGGCCCCGGGGCGGCCGGCCGGGCCCGGGCAACTGTGCTGCCTGCGG
 GAGGATGGTGAGCGGTGCGGCCGGGCGGCAGGCAACGCCAGCTTCAGCAAGAGGATCCAGAAGAGCATCT
 CCCAGAAGAAGGTGAAGATCGAGCTGGATAAGAGCGCAAGGCATCTTTACATATGTGATTATCATAAAAA
 CTTAATTCAGAGTGTTTCGAAACAGAAGAAAGAGAAAAGGGAGTGATGATGATGGAGGTGATTCACCTGTT
 CAAGATATTGATACCCAGAGGTTGATTTATACCAATTACAAGTAAATACACTTAGGAGATACAAAAGAC
 ACTTCAAGCTACCAACCAGACCAGGACTTAATAAAGCACAACTTGTTGAGATAGTTGGTTGCCACTTTAG
 GTCTATTCCAGTGAATGAAAAAGACACCTTAACATATTTTCATCTACTCAGTGAAGAATGACAAGAACAAA
 TCAGATCTCAAGGTTGATAGTGGTGTTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203160 representing NM_003864
 Red=Cloning site Green=Tags(s)

MNGFTPEMSRGGDAAAAVAAVVAAAAAASAGNGTGAGTGAEVPGAGAVSAAGPPGAAGPGPQLCCLR
 EDGERCGRAAGNASFSKRIQKSIQKKVKIELDKSARHLIYICDYHKNLIQSVRNRKRKGSDDDDGGDSPV
 QDIDTPEVDLYQLQVNTLRRYKRHFKLPTRPGLNKAQLVEIVGCHFRSIPVNEKDTLTYFIYSVKNDKKN
 SDLKVDSGVH

TRTRPLE - GFP Tag - V

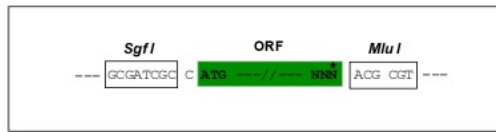


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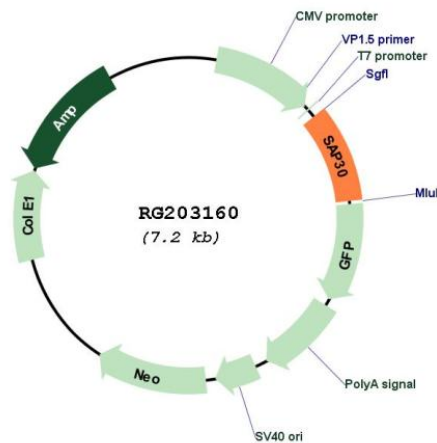
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_003864

ORF Size: 660 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:	<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:	<u>NM_003864.4</u>
RefSeq Size:	1126 bp
RefSeq ORF:	663 bp
Locus ID:	8819
UniProt ID:	<u>O75446</u>
Cytogenetics:	4q34.1
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Histone acetylation plays a key role in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation are catalyzed by multisubunit complexes. The protein encoded by this gene is a component of the histone deacetylase complex, which includes SIN3, SAP18, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This complex is active in deacetylating core histone octamers, but inactive in deacetylating nucleosomal histones. A pseudogene of this gene is located on chromosome 3. [provided by RefSeq, Jul 2008]